

X 90-36042

X90-36042 *

NASA Contractor Report 4277

NASA PERS. ONLY

Summary of Sonic Boom Rise Times
Observed During FAA Community
Response Studies Over a 6-Month
Period in the Oklahoma City Area

Domenic J. Maglieri and Victor E. Sothcott

CONTRACT NAS9-17900
APRIL 1990



NASA Contractor Report 4277

Summary of Sonic Boom Rise Times Observed During FAA Community Response Studies Over a 6-Month Period in the Oklahoma City Area

Domenic J. Maglieri and Victor E. Sothcott
Eagle Engineering, Incorporated
Hampton, Virginia

Prepared for
Langley Research Center
under Contract NAS9-17900



National Aeronautics and
Space Administration
Office of Management
Scientific and Technical
Information Division

1990

SUMMARY OF SONIC BOOM RISE TIMES OBSERVED DURING
FAA COMMUNITY RESPONSE STUDIES OVER A 6-MONTH PERIOD
IN THE OKLAHOMA CITY AREA

by Domenic J. Maglieri and Victor E. Sothcott

ABSTRACT

The sonic boom signature data acquired from about 1225 supersonic flights, over a 6-month period in 1964 in the Oklahoma City area, has been enhanced with the addition of data relating to rise times and total signature duration. These later parameters, not available at the time of publication of the original report on the Oklahoma City sonic boom exposures, are listed in tabular form along with overpressure, positive impulse, positive duration, and waveform category. Airplane operating information along with surface weather observations are also included.

Sonic boom rise times include readings to the 1/2, 3/4, and maximum overpressure values. Rise time relative probabilities for various lateral locations from the ground track of 0, 5, and 10 miles are presented along with the variation of rise times with flight altitude. The tabulated signature data, along with corresponding airplane operating conditions and surface and upper-level atmospheric information, are also available on electronic files to provide it in a format for more efficient and effective utilization.

SUMMARY

Measurements of sonic boom signatures have been made over a period of several months and for several flights each day. Data were obtained both inside and outside of buildings at locations on the ground track and at lateral distances from the ground track of 5 and 10 miles. Statistical analyses have been performed for the overpressure, positive impulse, and rise times.

Finite rise times were measured on all flights. The wide variations observed in the sonic-boom signature shapes are not only reflected in varying overpressures but also in the signature shock-wave rise times. The relative probability of larger rise times increases with increasing lateral distance from the flight track. Mean values of rise times to the 1/2, 3/4, and maximum overpressures are about 2, 4, and 7 msec, respectively. Rise times also appear to increase with increasing flight altitude with mean values varying from about 2 to 10 msec, depending upon the rise time definitions.

INTRODUCTION

Measurements of the sonic boom exposures during the Federal Aviation Administration (FAA) Community response studies, over a 6-month period in the Oklahoma City area, are reported in reference 1. These experiments provided the opportunity to evaluate possible effects on the sonic boom signatures of the atmosphere and weather for an extended period of time from February 3, 1964 to July 30, 1964, and for a relatively large number of controlled steady-level flights totalling about 1225. The major conclusion from these measurements was that sonic boom signatures can vary widely both in peak amplitude and wave shape because of atmospheric dynamic effects. The higher overpressure levels were associated with peaked waveforms, whereas lower overpressure levels were associated with rounded waveforms. Nominal or expected overpressure levels were associated with normal N-wave type signatures.

During the Oklahoma City tests, maximum overpressure was selected as being the most significant sonic boom signature parameter relative to community response. As the sonic boom data base increased as a result of concerted efforts in support of the Concorde and United States Supersonic Transport (SST) Programs, other sonic boom signature parameters were also examined to determine their significance in the response arena. For example, it was found that boom signatures that had been shaped to have increasing rise times, from the assumed zero rise time of the calculated N-wave type signature, resulted in lower annoyance for the same overpressure level (ref. 2). Studies relating to sonic boom minimization through airplane design considered waveforms with increased rise time. However, past and current efforts on minimization are still hampered by a lack of definition of an "acceptable" boom signature and what parameters should be minimized. It is agreed that shock rise time will play an important role, as well as the atmosphere (ref 3).

The signature variability observed during the Oklahoma City tests and reflected at that time in terms of overpressure, impulse, and waveform category, also carried with them variations in bow shock rise time with peaked waveforms usually having shorter rise times and rounded waveforms having longer rise times. Rise time information was not addressed at the time of the signature analysis of reference 1 although some information was obtained and presented in reference 2. In later sonic boom flight experiments (refs. 4, 5 and 6), increased attention was given to addressing the rise time issue and these data, along with the other signature descriptions, are included in the documents.

NASA has recently funded an effort to provide an electronic file of the sonic boom signature data, tabulated in references 4, 5, and 6, along with the airplane operating conditions and surface and upper-level atmospheric information. Such an electronic file

will permit more effective and efficient use of the sonic boom measurements.

As part of this effort, the present report is intended to provide an update to the tabulated sonic boom data of reference 1 with the inclusion of bow shock-rise time values and also signature total duration. The rise time information for Airplanes A and B will be presented in terms of time to the 1/2, 3/4, and maximum overpressure value for each of the three lateral locations from the ground track and, also, their variation with altitude. In order to enhance the value of the rise time summaries, the probability distributions of overpressure and impulse, given in reference 1, are also included. Thus, certain sections of this report will differ only slightly from that found in reference 1. In fact, with the exception of the rawinsonde data for each day on which flights were made, this report may be considered a stand-alone document which could provide all of the information relating to the influence of the atmosphere on the outdoor sonic boom signatures during the 6-month Oklahoma City tests. Finally, all the data contained within the tables in this report that relate to the boom signature, aircraft operations, and surface and upper-level atmospheric are contained on electronic files.

SYMBOLS

A	airplane cross-sectional area, sq ft
A(t)	nondimensional cross-sectional area A/ℓ^2 at nondimensionalized station $t = x/\ell$
B	equivalent cross-sectional area due to lift at airplane station x given by $B = \frac{\beta}{2q} \int_0^x F_L' dx$
C_L	lift coefficient
F_L'	lifting force per unit length along airplane longitudinal axis
h	airplane flight altitude, ft
I_0	impulse of positive phase of sonic boom signature
K_r	ground reflection factor
ℓ	length of airplane, ft
M	Mach number
p	reference pressure, lb/sq ft

Δp	incremental pressure above ambient pressure due to flow-field of airplane, lb/sq ft
Δp_i	peak positive overpressure inside building, lb/sq ft
Δp_o	pressure rise across shock wave at ground level, lb/sq ft
q	dynamic pressure, lb/sq ft
S	wing planform area, sq ft
t	nondimensionalized distance along longitudinal axis from airplane
Δt_o	time duration of positive phase of sonic boom signature, sec
ΔT	total duration of sonic boom signature, sec
x	cylindrical coordinate measured along body axis, ft
τ_{\max}	rise time of bow shock from onset to maximum overpressure value, sec
$\tau_{3/4}$	rise time of bow shock from onset to three-fourths of maximum overpressures value, sec
$\tau_{1/2}$	rise time of bow shock from onset to one-half of maximum overpressure value, sec
$\beta = \sqrt{M^2 - 1}$	

Subscripts:

calc	calculated
max	maximum
meas	measured
pos	positive

The following symbols and definitions are used in Tables I to XXI to denote weather conditions:

Surface winds:

First number in column is direction (relative to true north) from which wind is blowing; second number in column is wind velocity in knots.

Cloud cover:

CLEAR	clear
SCATD	scattered
BROKN	broken
OVCST	overcast
OBSCR	obscuration

Precipitation:

A minus sign before type of precipitation indicates that the precipitation was light, otherwise, precipitation was moderate.

E	sleet
F	fog
GF	ground fog
H	haze
L	drizzle
R	rain
RW	rain showers
S	snow
T	thunderstorm
ZR	freezing rain

APPARATUS AND METHODS

Test Conditions

Test flights for which data are presented were made in the greater Oklahoma City area along the track indicated in figure 1. This general area has an elevation of about 1,700 feet above sea level and included a population of about 750,000 people in its urban, suburban, and rural regions. Several flights per day were made starting in February 1964 and continuing through July 1964.

Test Airplanes

Photographs of the airplane types used in these tests are shown in figure 2. Airplane A, the F-104, has an overall length of 54.5 feet and a gross weight varying from 14,000 to 19,000 pounds. Airplane B, the F-101, has an overall length of 67.5 feet and a gross weight varying from 34,000 to 45,000 pounds. Airplane C, the F-106, has an overall length of about 71 feet and a gross weight of about 35,000 pounds. Airplane D, the B-58, has an overall length of 96.8 feet and a gross weight varying from 100,000 to 116,000 pounds. Aircraft of these types have been used in other sonic boom flight test programs and some details, such as area distributions, fineness ratios, and shape factors, are given in references 7 and 8. The airplanes were maintained and operated by U.S. Air Force personnel. Of the nearly 1225 flights accomplished during the 6-month time period, about 650 were made with Airplane A, about 550 with Airplane B, 11 with Airplane C, and 12 with Airplane D.

Aircraft Operations and Positioning

The aircraft were operated in the altitude range from about 21,000 to about 50,000 feet and the Mach number range 1.2 to 2.0. The airplanes in all cases were positioned over the test area and along the prescribed ground track by means of ground control procedures with the aid of radar tracking. The ground controller was located in Fort Worth, Texas, and the radar antenna was located within the Oklahoma City area (see fig. 1). The majority of the flights were made on a heading of 049° magnetic. On February 19 and 29, the flights were made on a heading of 229° magnetic; on April 28, the heading for flights 1 to 4 was 310° magnetic, and flights 5 to 8 were on 130° magnetic; on April 29, flights 1 to 4 were made on a heading of 170° magnetic, and flights 5 to 8 on 350° magnetic. Flights on March 7 were conducted on the 049° magnetic heading, but the airplane was displaced 8 miles to the north of the original track. Radar plotting-board overlays were obtained for all flights, and the data were used to provide information on aircraft plan position and ground velocity. Altitude was obtained from a Ground Control Intercept Station located in Oklahoma City. All altitude values listed in the data tables are separation distance, that is, the actual distance from the airplane to the ground surface.

Each aircraft was directed on the flight track such that the desired Mach number and altitude conditions were reached when the aircraft was in the vicinity of Minco, Oklahoma, and were maintained to the general vicinity of Arcadia, Oklahoma. When these procedures were used, the sonic booms observed at the measuring stations, indicated in figure 1, were associated with steady-level flight conditions of the aircraft. In some cases, the acceleration portion was extended beyond the point shown in figure 1 to permit

two passes to be made during one flight. For some of these latter flights, acceleration effects, as indicated by a double-boom disturbance (see ref. 9), were noted to exist in the Oklahoma City test area. Only the first to arrive pressure signature which, in all cases, was the most intense, has been included in the data tabulations.

Atmospheric Soundings

During the test program, four rawinsonde observations were made each day by the U.S. Air Force weather facility located at Will Rogers Field, Oklahoma (see fig. 1). These observations were taken within 1 hour of the times of all of the supersonic flights. Measured values of temperature and pressure, along with the calculated speed-of-sound and humidity values and wind velocity and direction values, were provided up to at least the airplane test altitude. Unfortunately, these data are no longer available. However, the two standard rawinsonde launches at midnight and noon for each test day throughout the flight test period were obtained from the National Oceanic and Atmospheric Administration (NOAA) archives and are available on the electronic files corresponding to this report.

In addition to the rawinsonde observations obtained during each day, surface measurements of temperatures, winds, and so forth, were obtained along with information relayed by the pilots during their ascent to altitude and during the actual supersonic run. The type of information obtained from the pilots included indications of turbulence, cloud cover, and precipitation. The surface climatological observations are also contained on electronic files.

Pressure Instrumentation

The main components of the measurement systems used for sonic boom pressures are the same as those described in more detail in reference 7. Each channel of the system, as used in the experiments, consisted of a specially modified microphone, tuning unit, dc amplifier, and oscillograph recorder. The usable frequency range was from 0.1 to 5,000 cycles per second, and this range applies to all the data presented herein. The microphones have a dynamic range from about 70 to about 150 dB. They were field-calibrated statically before each test by means of a pressure bellows and a sensitive manometer. Prior to field installation, frequency-response curves were obtained for all microphones.

Sonic boom pressure measurements were made both inside and outside the three test buildings. Each outside microphone was shock-mounted at ground level in the surface of a plywood reflecting board, as in figure 9 of reference 7. Wind screens designed

so as not to affect the pressure measurements were used at all times. When measurements were made during precipitation, a thin plastic cover was draped loosely over the wind screens.

For the inside measurements, each microphone was shock-mounted at approximately 5 feet from the floor level near the center of the room. These setups were used to make inside and outside measurements at each of the three measuring stations noted in figure 1.

Sonic Boom Calculations

Sonic boom calculations are included in this paper only for Airplanes A and B since these airplanes are the ones for which sufficient data were obtained for statistical analyses. The method of performing the calculations is the same as that outlined in the appendix of reference 7. Both volume and lift were considered and in the manner illustrated in figure 3. The assumed volume distributions and lift distributions for each airplane are shown in figures 3(a) and 3(b), respectively. From the basic lift and volume distributions, the sonic boom characteristics for each aircraft are determined by machine computing procedures in parametric form as indicated in figure 3(c).

In the calculations for signature wave lengths, that are required in determining the impulse functions, it was assumed that far-field conditions existed and that lift effects could be neglected. In the calculations of wave lengths, the method of reference 10 was used and the duration of the positive phase of the wave was assumed to be equal to that of the negative phase.

RESULTS AND DISCUSSION

Wave Shapes

The type of experimental data obtained in the measurements of the present studies are illustrated in figure 4, which shows sample outside and inside sonic boom pressure signatures. The outside pressure signature is of the N-wave type, whereas the inside pressure signature has the general appearance of a damped sine wave. The peak overpressure values in either case are defined as the maximum positive deviation from local atmospheric pressure, as indicated in the figure.

From a study of the data obtained, it was found that the outside pressure traces varied markedly in character. As such, it was useful to categorize these waveforms as indicated in figure 5. In addition to the ten characteristic wave shapes, word descriptions are also given to each of the categories by means of a single, two, or three letter designation; for instance, a type "NP" was judged to be intermediate between type "N" and type "P" and an

"SPR" is a "spiked-peak-rounded" signature. Also shown at the top of the figure are definitions of various parameters of the signature including positive pressure Δp_o , positive impulse ΔI_o , duration of the positive phase of the wave Δt_o , total duration of the signature ΔT , and bow shock wave rise time τ (reading at 1/2, 3/4, and maximum Δp_o). Each of these quantities, along with the waveform category and inside overpressure Δp_i , are listed in the main data tables and on electronic files.

Tabulations of Data

The measured data as determined from time-history records such as those of figure 4 are listed in Tables I to XXI. The data in each table are listed chronologically for each aircraft and altitude combination. The addition of the information on rise times and wave period necessitated a rearrangement in the format of Tables I to XXI as compared to those in reference 1. In addition to the sonic boom signature data for the three measurement stations, some associated weather and aircraft operating condition information are included. Where there are no entries in the table, either the data do not exist or could not be properly interpreted.

For the convenience of the reader and to indicate sample size, Table XXII has been prepared to include the number of data records at each measuring station for various flight conditions, along with the number of the appropriate table (see Tables I to XXI) in which the data are included. It is obvious from an inspection of Table XXII that a larger number of flights were conducted for some test conditions than for others and, thus, these results are of greater statistical significance.

Signature Variability

Overpressure and positive impulse.- The data of figures 6 and 7 illustrate the variation of the peak overpressures for the entire range of flight conditions for Airplanes A and B at each of three measuring stations 1, 3, and 4 at lateral distances from the ground track of 0, 5, and 10 miles, respectively. In figures 8 and 9, the variations of the impulse values for these two aircraft are shown by means of similar plots. All the data have been plotted on log normal paper and straight lines have been faired through the data points as an aid in interpretation. For this type of presentation, the data points would all fall on a straight line if the logarithms of the data fitted a normal distribution.

In each case, the opportunity is taken to plot on the abscissa scale the ratio of measured-to-calculated values of either overpressure or impulse. The measured value of overpressure or positive impulse for any particular flight may be obtained from the appropriate column of Tables I to XXI. The calculated values, on

the other hand, may be obtained from Table XXII. Also shown in each figure is an insert sketch (histogram) showing probability of occurrence of various values of the abscissa quantity.

Several observations can be made from the overpressure data of figure 6. Examination of the data on the left hand side of figure 6, which relates to measuring station 1 on the ground track, indicates that the data seem to follow a log normal distribution with the exception of the low-valued points and this is a rather general result of the experiments. The median value of the pressure ratio for this case is noticeably less than 1. In fact, about 80 percent of the measurements for this particular condition were lower in amplitude than would be predicted and only about 20 percent equaled or exceeded the predicted value. It can also be seen that there is a probability of about 1 percent (0.01) that the measured value will equal or exceed the predicted value by 50 percent.

The data for stations 3 and 4 at locations of 5 and 10 miles, respectively, off-the-track, are shown in the center and far right of figure 6. It can be seen that as the distance from the track is increased, the variation in amplitude tends to be greater and the median value is nearer unity than for the location on the track. It has been shown in a number of subsequent flight studies (ref. 2) that these differences are due primarily to the longer ray paths in the presence of turbulence.

There is also a trend toward greater deviations from the log normal distribution curve in the low-amplitude range for greater lateral distances. The data show about a 1-percent probability of equaling or exceeding measured values which are 2 to 2-1/2 times the predicted values. This result should not be interpreted to mean that the actual overpressures are necessarily higher than for the on-the-track location since the off-the-track calculated values are, of course, generally lower (see Table XXII). Similar data for Airplane B are shown in figure 7. It can be seen that the same general trends of the data exist. The median values and the range of pressure-ratio values are noted, however, to be higher for Airplane B.

It is believed that if the aircraft speed, weight, and altitude were held absolutely constant and the atmospheric conditions constant, the overpressure values would be equal for all flights. The overpressure values from one flight to another are not constant, but rather vary in amplitude over a considerable range. These variations may be due to such factors as small variations in aircraft flight conditions, small variations due to measuring technique and instrument inaccuracies, and variations due to the weather. For the data illustrated, the weather effects are judged to be dominant.

The positive impulse functions have been determined for the experiments of figures 6 and 7 and are presented, respectively, in figures 8 and 9. Log normal plots are presented and the data are coded in the same way as for figures 6 and 7. The variations in the impulse functions are noted to be similar in nature to those for the overpressure; however, the range of values is markedly less. It can be seen from figure 8 that the median value is generally less than the predicted value, whereas the reverse is true in figure 9. This result is not presently understood; however, the use of the far-field theory of reference 7 may result in overestimating calculated impulse values for Airplane A and in underestimating them for Airplane B.

Rise times.- A summary of the signature rise-time data is presented in figures 10 through 17 in the form of rise-time probabilities and rise-time variation with airplane altitude. This type of presentation is similar to other rise-time results given in references 2, 4, 5, 6, 8, and 11.

Figures 10 and 11 illustrate the variation of rise times with increasing lateral distance from the ground track for Airplanes A and B, respectively, at stations 1, 3, and 4. Each figure consists of three histograms showing rise time to the $1/2$, $3/4$, and maximum value of overpressure. In addition to showing the variations with lateral distances of 0, 5, and 10 miles, the figures are intended to give some indication of the effects the definition of rise time may have on form of the histogram. Examination of the histograms of figures 10 and 11 reflect the general observations that larger rise times may be expected when the distance from the ground track is increased regardless of the rise time definition ($\tau_{1/2}$, $\tau_{3/4}$, and τ_{\max}). This is the result of the increase in the ray path length and longer "dwell" time the signature experiences in the lower layer of the atmosphere. It should be noted that, not only does the relative probability of larger rise times increase with increasing lateral distance (spread of the histograms), the mean rise times, although appearing to remain about the same (about 2, 4, and 7 msec for $\tau_{1/2}$, $\tau_{3/4}$, and τ_{\max} , respectively), actually increase slightly also. Note, too, that the mean rise time values to τ_{\max} are about twice those for $\tau_{1/2}$.

Although a majority of the supersonic flights were concentrated at 28,000 and 32,000 feet for Airplane A and at 33,000 and 35,000 feet for Airplane B, the rise time histograms of figures 10 and 11 are influenced by data from flights at both lower and higher altitudes (see Table XXII). As such, it is of interest to examine the previous rise time data after it has been divided by the appropriate measured overpressure. These data of rise time/unit overpressure are given in figures 12 and 13 for Airplanes A and B, respectively. Here again, the histogram to the left of each figure is for $\tau_{1/2}$, at the center for $\tau_{3/4}$, and to the right, τ_{\max} . On inspection of these histograms, it can be observed that the picture changes very little from the previous findings in that the

relative probability of larger rise times per unit overpressure increase with increasing lateral distance regardless of the rise time definition ($\tau_{1/2}/\Delta p_{1/2}$, $\tau_{3/4}/\Delta p_{3/4}$, and $\tau_{\max}/\Delta p_{\max}$). The mean values do not appear to increase with increasing lateral distance and are also about the same order as previously observed (about 2, 3, and 5 msec).

The rise time data of the present paper for the on-track measurements (Station 1) for Airplanes A and B was plotted as a function of altitude and are presented in figures 14 and 15. At the top of each figure is shown the variation of rise time to the maximum overpressure (τ_{\max}), the center, $\tau_{3/4}$, and at the bottom, $\tau_{1/2}$. Data are presented for each flight altitude with an indication of the total number of data samples at each altitude, the highest and lowest values (represented by the horizontal bars) and the average value (represented by the circled symbol). A "best fit" curve based on a weighting of the number of data samples has been included on the plots. It can be noted that considerable scatter exists in the data and that a majority of the data cluster about two altitudes for both aircraft. Even so, there appears to be a trend of increasing rise times with increasing altitude. The exceptions to this are the data for $\tau_{3/4}$ and $\tau_{1/2}$ for Airplane A. These latter data suggest a slight decrease in rise times with increasing altitude. The curve fitting procedure applied to the data may not be the most appropriate method that could be employed. In any case, the fact that finite rise times do exist is of considerable significance with the mean value varying from about 1.3 to 8.0 msec depending upon how rise time is defined.

Since sonic boom overpressures decrease as flight altitudes increase, it is important to examine the variation of rise times per unit overpressure and these data are plotted in figures 16 and 17 for Airplanes A and B, respectively. The same format of presentation is used as applied to the rise time plots of figures 14 and 15. With the exception of lower values of rise time (since measured overpressure ranged from about 1.0 to 2.0 psf), little change is noted from the observations previously noted for figures 14 and 15. Rise times generally increase with increasing flight altitude regardless of how rise time is defined ($\tau_{1/2}$, $\tau_{3/4}$, or τ_{\max}) and mean values of rise time per unit overpressure from 2 to 10 msec are observed.

The possibility that rise time tends to increase with increasing flight altitude was first suggested in test data reported in reference 8 and further supported with additional flight experiments (ref. 4) and summarized in reference 2. The fact that rise time increases with increasing altitude (ray path length) strongly suggests that rise times are primarily influenced by the dynamics of the lower layer of the atmosphere. This is somewhat surprising since flights at higher altitudes normally are also flown at higher Mach numbers. Higher Mach numbers mean smaller Mach angles and, thus, shorter ray paths. It has been

shown, in fact (ref. 5), that flights at the same altitude but at two different Mach numbers of 1.3 and 1.6 result in larger rise times being observed for the lower Mach number case.

CONCLUSIONS

Analyses of sonic boom signatures measured during the Oklahoma City Community Response Studies over a 6-month period and for varying atmospheric conditions and flight conditions indicate the following conclusions:

1. Wide variations in ground pressure signature were observed with corresponding wide variations in the peak overpressure and to a lesser degree, variations in the positive impulse function.
2. Variations of overpressure and impulse may be represented by a log normal distribution (normal distribution of their logarithms) over the significant ranges.
3. One percent of the measured overpressure equaled or exceeded the predicted values by a factor of about 1.5 to 3.0, depending on the distance relative to the ground track; the larger factor was associated with the larger distances and with the lower predicted value.
4. One percent of the measured positive impulse values equaled or exceeded the predicted values by a factor of about 1.2 and 2.0, depending on the distance from the ground track; the large factor being associated with the larger distances and with the lower predicted value.
5. Finite rise times are noted to exist on all measured signatures as compared to the assumed zero rise times for predicted sonic boom N-waves.
6. The relative probability of larger rise times increases with increasing lateral distance from the ground track.
7. Mean values of rise time to the $1/2$, $3/4$, and maximum overpressure are about 2, 4, and 7 msec, respectively.
8. Rise times also appear to increase as flight altitude is increased with mean values varying from about 2 to 10 msec, depending upon the rise time definition.

REFERENCES

1. Hilton, David A.; Huckel, Vera; Steiner, Roy; and Maglieri, Domenic J.: Sonic-Boom Exposures During FAA Community-Response Studies Over a 6-Month Period in the Oklahoma City Area. NASA TN D-2539, 1964.
2. Sonic Boom Symposium. J. Acoust. Soc. America, vol. 51, no. 2, pt. 3, Feb. 1972, pp 671-798.
3. Darden, Christine M.; Powell, Clemens A.; Hayes, Wallace D.; George, Albert R.; and Pierce, Alan D.: Status of Sonic Boom Methodology and Understanding. NASA CP-3027, 1989.
4. Maglieri, Domenic J.; Huckel, Vera; and Henderson, Herbert R.: Sonic-Boom Measurements for SR-71 Aircraft Operating at Mach Numbers to 3.0 and Altitudes to 24 384 Meters. NASA TN D-6823, 1972.
5. Maglieri, Domenic J.; Huckel, Vera; Henderson, Herbert R.; and McLeod, Norman J.: Variability in Sonic-Boom Signatures Measured Along an 8000-Foot Linear Array. NASA TN D-5040, 1969.
6. Maglieri, D. J.; Huckel, V.; Henderson, H. R.; and Putman, T.: Preliminary Results of XB-70 Sonic Boom Field Tests During National Sonic Boom Evaluation Program. Sonic Boom Experiments at Edwards Air Force Base, NSBEO-1-67 (Contract AF 49(638)-1758, Stanford Research Inst., July 28, 1967, pp C-II-1 - C-II-17.
7. Hubbard, Harvey H.; Maglieri, Domenic J.; Huckel, Vera; and Hilton, David A. (Appendix by Carlson, Harry W.): Ground Measurements of Sonic-Boom Pressures for the Altitude Range of 10,000 to 75,000 Feet. NASA TR R-198, 1964. (Supersedes NASA TM X-633)
8. Maglieri, Domenic J.; Parrott, Tony L.; Hilton, David A.; and Copeland, William L.: Lateral-Spread Sonic-Boom Ground-Pressure Measurements From Airplanes at Altitudes to 75,000 Feet and at Mach Numbers to 2.0. NASA TN D-2021, 1963.
9. Maglieri, Domenic J.; and Lansing, Donald L.: Sonic Booms From Aircraft in Maneuvers. NASA TN D-2370, 1964.
10. Whitham, G. B.: The Behavior of Supersonic Flow Past a Body of Revolution, Far From the Axis. Proc. Roy. Soc. (London), Ser. A, vol. 201, no. 1064, Mar. 7, 1950, pp. 89-109.
11. Garrick, I.E.; and Maglieri, D. J.: A Summary of Results on Sonic-Boom Pressure-Signature Variations Associated With Atmospheric Conditions. NASA TN D-4588, 1968.

TABLE I.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE FROM 36,000 TO 41,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-29-64	2/564	726	2.0	41000	170	0.0	53	50/7	CLEAR	NONE	1.07	****	0.042	0.0247	0.0765	0.0060	0.0030	0.0005	NP
						5.0					0.91	****	0.045	0.0248	0.0720	0.0140	0.0040	0.0020	NR
						10.0					1.00	****	0.042	0.0235	0.0720	0.0035	0.0010	0.0005	N
4-29-64	3/565	900	2.0	41000	170	0.0	60	50/8	OVCST	NONE	0.77	****	0.048	0.0201	0.0785	0.0065	0.0040	0.0015	NR
						5.0					1.04	****	0.040	0.0243	0.0745	0.0050	0.0030	0.0005	NR
						10.0					1.15	****	0.040	0.0255	0.0700	0.0065	0.0010	0.0005	NP
4-29-64	4/566	920	2.0	41000	170	0.0	61	50/8	OVCST	NONE	0.65	****	0.046	0.0189	0.0750	0.0130	0.0055	0.0020	R
						5.0					1.17	****	0.036	0.0245	0.0700	0.0130	0.0035	0.0030	NR
						10.0					1.17	****	0.043	0.0194	0.0700	0.0020	0.0015	0.0010	NP
2-7-64	3/11	1256	1.5	38000	49	0.0	38	290/18	CLEAR	NONE	1.00	0.36	0.052	0.0255	0.0815	0.0045	0.0025	0.0015	NP
						5.0					0.83	0.30	0.052	0.0283	0.0825	0.0065	0.0025	0.0015	NR
						10.0					0.83	0.28	0.046	0.0197	0.0790	0.0055	0.0010	0.0010	P
2-7-64	4/12	1530	1.5	38000	49	0.0	41	280/18	CLEAR	NONE	0.90	0.40	0.051	0.0251	0.0860	0.0090	0.0045	0.0040	NR
						5.0					0.42	0.17	0.058	0.0151	0.0790	0.0210	0.0035	0.0020	R
						10.0					0.51	0.22	0.052	0.0125	0.0790	0.0200	0.0015	0.0110	NP
2-7-64	5/13	1805	1.5	38000	49	0.0	39	290/11	CLEAR	NONE	0.73	0.41	0.052	0.0233	0.0860	0.0050	0.0020	0.0010	NR
						5.0					0.80	0.29	0.050	0.0248	0.0805	0.0070	0.0025	0.0020	N
						10.0					0.66	0.28	0.046	0.0169	0.0790	0.0050	0.0020	0.0010	NP
2-9-64	1/20	827	1.5	38000	49	0.0	35	250/15	CLEAR	NONE	0.79	0.38	0.051	0.0269	0.0830	0.0070	0.0020	0.0005	NR
						5.0					0.67	0.42	0.048	0.0225	0.0775	0.0125	0.0020	0.0010	NR
						10.0					****	****	****	****	****	****	****	****	**
2-9-64	2/21	1029	1.5	38000	49	0.0	46	250/14	CLEAR	NONE	0.81	0.41	0.047	0.0246	0.0835	0.0070	0.0015	0.0010	NR
						5.0					0.63	0.37	0.050	0.0196	0.0770	0.0055	0.0015	0.0010	NR
						10.0					0.64	0.26	0.053	0.0172	0.0750	0.0070	0.0030	0.0020	NP
2-9-64	3/22	1255	1.5	38000	49	0.0	53	220/17	SCATD	NONE	1.16	0.45	0.041	0.0285	0.0840	0.0060	0.0035	0.0015	N
						5.0					0.96	0.31	0.050	0.0230	0.0775	0.0055	0.0045	0.0025	NP
						10.0					0.71	0.30	0.062	0.0207	0.0770	0.0120	0.0090	0.0030	NR
2-9-64	4/23	1525	1.5	38000	49	0.0	55	270/10	OVCST	NONE	0.84	0.40	0.046	0.0245	0.0830	0.0060	0.0015	0.0005	NR
						5.0					0.58	0.27	0.048	0.0190	0.0775	0.0160	0.0055	0.0025	NR
						10.0					0.79	0.28	0.052	0.0165	0.0760	0.0160	0.0120	0.0110	P
2-9-64	5/24	1627	1.5	38000	49	0.0	54	230/7	BROKN	NONE	0.88	0.41	0.045	0.0241	0.0845	0.0020	0.0030	0.0015	NR
						5.0					0.75	0.31	0.047	0.0221	0.0785	0.0050	0.0020	0.0015	NR
						10.0					0.96	0.29	0.045	0.0185	0.0780	0.0060	0.0020	0.0010	P
2-9-64	6/25	1758	1.5	38000	49	0.0	52	230/6	SCATD	NONE	0.88	0.39	0.046	0.0264	0.0840	0.0050	0.0020	0.0010	NR
						5.0					0.54	0.30	0.053	0.0203	0.0780	0.0220	0.0025	0.0010	NR
						10.0					0.52	0.30	0.056	0.0169	0.0790	0.0130	0.0050	0.0040	NP
2-10-64	1/26	700	1.5	38000	49	0.0	37	340/10	BROKN	NONE	****	****	****	****	****	****	****	****	**
						5.0					0.67	0.34	0.053	0.0217	0.0800	0.0170	0.0050	0.0025	NR
						10.0					****	0.25	****	****	****	****	****	****	**
2-10-64	2/27	728	1.5	38000	49	0.0	37	340/10	BROKN	NONE	0.90	0.36	0.051	0.0233	0.0850	0.0050	0.0035	0.0025	NP
						5.0					0.68	0.28	0.052	0.0177	0.0825	0.0065	0.0030	0.0020	N
						10.0					0.44	0.23	0.060	0.0182	****	0.0100	0.0050	0.0030	R
2-4-64	1/1	1029	1.5	37000	49	0.0	36	30/8	OVCST	-R, GF, -E	0.77	0.54	0.056	0.0287	0.0810	0.0115	0.0050	0.0040	R
						5.0					****	****	****	****	****	****	****	****	**
						10.0					****	****	****	****	****	****	****	****	**
2-5-64	1/2	1256	1.5	37000	49	0.0	38	360/13	OVCST	-R, F	0.94	0.52	0.051	0.0277	0.0855	0.0070	0.0030	0.0015	NR
						5.0					****	0.19	****	****	****	****	****	****	**
						10.0					0.34	0.43	0.066	0.0100	0.0940	0.0220	0.0170	0.0110	R

TABLE I.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE FROM 36,000 TO 41,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-5-64	3/4	1532	1.5	37000	49	0.0	39	320/15	OVCST	-R, F	0.77	0.51	0.055	0.0274	0.0855	0.0240	0.0150	0.0010	NR
						5.0					0.84	0.31	0.050	0.0225	0.0870	0.0020	0.0010	0.0005	N
						10.0					0.42	0.70	0.055	0.0150	0.0910	0.0090	0.0050	0.0040	NR
2-6-64	4/8	1754	1.5	37000	49	0.0	37	360/14	OVCST	-S	0.86	0.39	0.044	0.0243	0.0750	0.0075	0.0025	0.0015	NR
						5.0					0.83	0.28	0.043	0.0174	0.0740	0.0080	****	****	N
						10.0					0.57	0.21	0.050	0.0147	0.0730	0.0120	0.0070	0.0040	NP
2-7-64	1/9	829	1.5	37000	49	0.0	25	280/8	CLEAR	NONE	1.30	0.46	0.044	0.0285	0.0840	0.0045	0.0030	0.0005	P
						5.0					0.98	0.29	0.046	0.0235	0.0790	0.0050	0.0005	0.0001	N
						10.0					0.74	0.26	****	****	0.0780	0.0055	0.0010	0.0002	P
2-7-64	2/10	1029	1.5	37000	49	0.0	31	280/14	CLEAR	NONE	0.86	0.39	0.045	0.0234	0.0800	0.0040	0.0020	0.0005	NP
						5.0					1.04	0.31	0.047	0.0273	0.0790	0.0025	0.0005	0.0001	N
						10.0					0.74	0.27	0.051	0.0180	0.0740	0.0060	0.0030	0.0010	P
2-5-64	2/3	1359	1.5	36000	49	0.0	39	360/15	OVCST	-R, F	0.57	0.28	0.052	0.0176	****	0.0040	0.0015	0.0005	**
						5.0					****	****	****	****	****	****	****	****	**
						10.0					0.29	0.60	0.060	0.0118	****	0.0240	0.0200	0.0180	C
2-6-64	1/5	1032	1.5	36000	49	0.0	40	360/20	SCATD	NONE	0.70	0.28	0.047	0.0171	0.0790	0.0140	0.0060	0.0030	NR
						5.0					1.06	0.25	0.035	0.0186	****	****	****	****	N
						10.0					1.01	0.30	****	****	0.0780	0.0050	0.0010	0.0005	P
2-6-64	2/6	1259	1.5	36000	49	0.0	42	360/15	OVCST	NONE	1.17	0.40	0.046	0.0274	0.0775	0.0010	0.0005	0.0002	NP
						5.0					0.87	0.23	0.047	0.0211	0.0740	0.0050	0.0025	0.0015	N
						10.0					0.63	0.25	0.048	0.0151	0.0780	0.0050	0.0045	0.0040	NP
2-6-64	3/7	1529	1.5	36000	49	0.0	40	360/17	BROKN	NONE	1.03	0.39	0.044	0.0253	0.0780	0.0070	0.0015	0.0015	NP
						5.0					0.74	0.27	0.047	0.0226	0.0770	0.0135	0.0070	0.0040	NR
						10.0					0.55	0.20	0.054	0.0171	0.0740	0.0060	0.0050	0.0030	NR
2-8-64	1/14	826	1.5	36000	49	0.0	34	270/10	SCATD	NONE	0.84	0.32	0.048	0.0213	0.0790	0.0040	0.0025	0.0020	N
						5.0					1.03	0.34	0.046	0.0228	0.0760	0.0025	0.0003	0.0001	NP
						10.0					1.22	0.29	****	****	****	****	****	****	P
2-8-64	2/15	1026	1.5	36000	49	0.0	42	300/14	BROKN	NONE	0.97	0.35	0.043	0.0237	0.0740	0.0035	0.0020	0.0015	N
						5.0					0.70	0.26	0.041	0.0169	0.0695	0.0090	0.0030	0.0020	NR
						10.0					0.81	0.29	0.049	0.0184	0.0720	0.0090	0.0060	0.0050	NP
2-8-64	3/16	1300	1.5	36000	49	0.0	52	290/17	CLEAR	NONE	0.93	0.42	0.048	0.0283	0.0795	0.0185	0.0060	0.0020	R
						5.0					0.88	0.31	0.047	0.0214	0.0755	0.0115	0.0060	0.0010	N
						10.0					0.50	0.24	0.046	0.0158	****	0.0090	0.0060	0.0020	**
2-8-64	4/17	1527	1.5	36000	49	0.0	55	280/25	CLEAR	NONE	1.60	0.43	0.045	0.0264	0.0820	0.0060	0.0050	0.0025	P
						5.0					0.84	0.33	0.050	0.0222	0.0740	0.0115	0.0075	0.0040	NR
						10.0					0.49	0.22	0.050	0.0167	****	0.0380	0.0170	0.0130	**
2-8-64	5/18	1627	1.5	36000	49	0.0	54	300/22	SCATD	NONE	0.69	0.37	0.052	0.0253	0.0805	0.0170	0.0040	0.0010	R
						5.0					1.44	0.30	0.043	0.0190	0.0785	0.0065	0.0045	0.0030	P
						10.0					0.69	0.25	0.055	0.0141	****	0.0170	0.0140	0.0070	**
2-8-64	6/19	1758	1.5	36000	49	0.0	48	280/16	CLEAR	NONE	1.00	0.36	0.049	0.0229	0.0820	0.0050	0.0020	0.0015	NP
						5.0					0.90	0.37	0.046	0.0268	0.0780	0.0035	0.0010	0.0005	N
						10.0					0.84	0.29	0.048	0.0204	0.0760	0.0120	0.0070	0.0050	NP

TABLE II.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE FROM 33,000 TO 35,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-15-64	4/66	1359	1.5	35000	49	0.0	40	330/22	OVCST	NONE	1.18	0.38	0.049	0.0319	0.0800	0.0030	0.0020	0.0010	NR
						5.0					0.74	0.26	0.046	0.0221	0.0740	0.0055	0.0025	0.0015	NR
						10.0					0.55	0.19	0.058	0.0160	0.0750	0.0080	0.0040	0.0030	NR
2-16-64	1/69	659	1.5	35000	49	0.0	20	120/8	CLEAR	NONE	0.92	0.35	0.048	0.0257	0.0785	0.0090	0.0025	0.0010	R
						5.0					0.98	0.31	0.046	0.0267	0.0720	0.0055	0.0020	0.0005	NR
						10.0					0.45	0.21	0.057	0.0161	0.0770	0.0090	0.0030	0.0020	NR
2-17-64	1/77	701	1.5	35000	49	0.0	31	150/15	BROKN	NONE	1.26	0.38	0.040	0.0284	0.0775	0.0060	0.0020	0.0005	N
						5.0					1.55	0.31	0.039	0.0257	0.0710	0.0030	0.0010	0.0005	NP
						10.0					0.66	0.22	0.051	0.0157	0.0770	0.0060	0.0040	0.0020	NR
2-18-64	1/85	659	1.5	35000	49	0.0	35	310/18	CLEAR	NONE	1.32	0.32	0.048	0.0317	0.0795	0.0040	0.0010	0.0005	NP
						5.0					0.98	0.33	0.042	0.0220	0.0730	0.0050	0.0005	0.0002	N
						10.0					0.99	0.21	0.051	0.0174	0.0760	0.0035	0.0015	0.0005	P
2-18-64	2/86	729	1.5	35000	49	0.0	35	310/18	CLEAR	NONE	1.10	0.35	0.043	0.0261	0.0775	0.0060	0.0020	0.0005	NR
						5.0					1.33	0.31	0.043	0.0220	0.0725	0.0015	0.0008	0.0005	NP
						10.0					1.13	0.18	0.044	0.0149	0.0760	0.0055	0.0050	0.0030	P
2-19-64	1/93	658	1.5	35000	229	0.0	31	320/20	BROKN	NONE	0.58	0.19	0.064	0.0162	0.0775	0.0250	0.0040	0.0010	**
						5.0					1.74	0.52	0.040	0.0263	0.0790	0.0050	0.0045	0.0035	P
						10.0					0.42	0.11	0.056	0.0151	0.0750	0.0075	0.0035	0.0025	R
2-19-64	2/94	726	1.5	35000	229	0.0	30	320/20	BROKN	NONE	1.10	0.29	0.052	0.0271	0.0890	0.0045	0.0008	0.0005	NR
						5.0					0.74	0.35	0.053	0.0201	0.0790	0.0025	0.0020	0.0015	NR
						10.0					0.42	0.11	0.053	0.0128	0.0800	0.0080	0.0040	0.0025	R
2-20-64	7/106	1559	1.5	35000	49	0.0	36	360/15	BROKN	NONE	0.71	0.26	0.059	0.0224	0.0860	0.0060	0.0030	0.0020	R
						5.0					0.39	0.27	0.061	0.0145	0.0840	0.0050	0.0020	0.0015	R
						10.0					0.55	0.10	0.046	0.0118	****	0.0190	0.0120	0.0100	R
2-22-64	1/115	700	1.5	35000	49	0.0	19	150/8	CLEAR	NONE	0.88	0.35	0.045	0.0267	0.0780	0.0050	0.0015	0.0010	R
						5.0					1.04	0.36	0.042	0.0263	0.0735	0.0055	0.0005	0.0002	N
						10.0					0.80	0.26	0.043	0.0195	0.0765	0.0050	0.0015	0.0005	N
2-22-64	2/116	731	1.5	35000	49	0.0	20	150/8	SCATD	NONE	1.02	0.32	0.050	0.0240	0.0820	0.0055	0.0015	0.0010	NR
						5.0					0.97	0.36	0.047	0.0271	0.0785	0.0065	0.0025	0.0015	NP
						10.0					0.81	0.29	0.048	0.0203	0.0780	0.0020	0.0010	0.0005	N
2-23-64	1/123	700	1.5	35000	49	0.0	32	350/12	SCATD	NONE	1.25	0.39	0.043	0.0250	0.0790	0.0050	0.0015	0.0010	NP
						5.0					0.98	0.38	0.045	0.0263	0.0750	0.0050	0.0020	0.0015	N
						10.0					0.71	0.23	0.046	0.0163	0.0730	0.0050	0.0025	0.0015	NR
2-23-64	2/124	730	1.5	35000	49	0.0	32	350/12	SCATD	NONE	1.06	0.33	0.041	0.0261	****	0.0050	0.0003	0.0001	R
						5.0					1.04	0.35	0.040	0.0226	0.0675	0.0045	0.0020	0.0010	N
						10.0					0.75	0.24	0.044	0.0174	0.0680	0.0055	0.0035	0.0005	NR
2-24-64	1/131	708	1.5	35000	49	0.0	26	160/7	BROKN	NONE	0.96	0.28	0.047	0.0248	0.0770	0.0050	0.0010	0.0005	NR
						5.0					0.86	0.29	0.050	0.0197	0.0735	0.0025	0.0010	0.0005	N
						10.0					****	****	****	****	****	****	****	****	**
2-24-64	2/132	730	1.5	35000	49	0.0	27	160/7	BROKN	NONE	0.90	0.30	0.044	0.0267	0.0720	0.0055	0.0015	0.0005	NR
						5.0					0.83	0.35	0.050	0.0233	0.0720	0.0030	0.0025	0.0020	NR
						10.0					0.52	0.20	0.048	0.0157	0.0710	0.0210	0.0060	0.0040	R
2-26-64	1/139	659	1.5	35000	49	0.0	18	350/8	BROKN	NONE	1.05	0.42	0.043	0.0304	0.0730	0.0050	0.0010	0.0005	NR
						5.0					1.04	0.40	0.040	0.0248	0.0690	0.0055	0.0010	0.0005	N
						10.0					1.03	0.27	0.041	0.0223	0.0700	0.0035	0.0010	0.0005	NP
2-26-64	2/140	730	1.5	35000	49	0.0	18	350/8	BROKN	NONE	0.92	0.41	0.045	0.0247	0.0775	0.0055	0.0010	0.0005	NR
						5.0					1.01	0.35	0.040	0.0227	0.0700	0.0060	0.0010	0.0005	N
						10.0					0.69	0.20	0.044	0.0145	0.0735	0.0055	0.0030	0.0015	NR

TABLE II.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE FROM 33,000 TO 35,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-29-64	1/164	700	1.5	35000	229	0.0	30	160/10	BROKN	NONE	0.82	0.37	0.046	0.0228	0.0725	0.0055	0.0025	0.0010	NR
						5.0					0.97	0.37	0.042	0.0252	0.0670	0.0150	0.0065	0.0045	R
						10.0					0.99	0.28	0.036	0.0146	0.0730	0.0060	0.0030	0.0010	NP
2-29-64	2/165	720	1.5	35000	229	0.0	31	160/10	BROKN	NONE	0.85	0.38	0.046	0.0203	0.0700	0.0055	0.0025	0.0010	NR
						5.0					0.93	0.38	****	****	0.0670	0.0055	0.0015	0.0005	NR
						10.0					0.70	0.24	0.046	0.0175	0.0660	0.0140	0.0060	0.0040	NR
2-29-64	3/166	859	1.5	35000	229	0.0	39	170/16	BROKN	NONE	0.79	0.39	0.046	0.0240	0.0730	0.0180	0.0010	0.0005	NR
						5.0					0.88	0.39	****	****	0.0700	0.0045	0.0020	0.0010	NR
						10.0					1.00	0.27	0.050	0.0209	0.0760	0.0035	0.0025	0.0015	NP
2-29-64	7/170	1300	1.5	35000	229	0.0	47	180/25	BROKN	NONE	1.61	0.30	0.041	0.0225	0.0690	0.0050	0.0045	0.0040	P
						5.0					1.83	0.44	0.040	****	0.0710	0.0080	0.0050	0.0035	NP
						10.0					0.20	0.13	0.088	0.0094	****	****	****	****	R
2-29-64	8/171	1320	1.5	35000	229	0.0	49	180/25	BROKN	NONE	0.67	0.31	0.049	0.0202	0.0700	0.0120	0.0055	0.0030	R
						5.0					1.01	0.35	0.041	0.0243	0.0700	0.0110	0.0050	0.0025	NR
						10.0					0.73	0.23	0.050	0.0198	0.0740	0.0140	0.0060	0.0030	R
3-2-64	1/178	700	1.5	35000	49	0.0	52	150/14	OVCST	NONE	0.81	0.31	0.051	0.0234	0.0755	0.0060	0.0020	0.0010	R
						5.0					0.70	0.35	0.058	0.0236	0.0780	0.0090	0.0030	0.0020	R
						10.0					1.17	0.25	0.049	0.0204	0.0790	0.0060	0.0020	0.0010	NP
3-2-64	2/179	720	1.5	35000	49	0.0	52	150/14	OVCST	NONE	1.35	0.34	0.044	0.0345	0.0810	0.0070	0.0020	0.0010	N
						5.0					1.35	0.41	0.044	0.0269	0.0770	0.0050	0.0030	0.0020	P
						10.0					0.50	0.14	0.053	0.0140	****	0.0110	0.0060	0.0045	NR
3-2-64	3/180	900	1.5	35000	49	0.0	54	160/15	OVCST	F	1.11	0.37	0.049	0.0363	0.0805	0.0095	0.0050	0.0020	R
						5.0					0.88	0.32	0.047	0.0228	0.0765	0.0065	0.0040	0.0025	NR
						10.0					0.78	****	0.039	0.0140	0.0760	0.0075	0.0025	0.0015	NR
3-2-64	4/181	920	1.5	35000	49	0.0	54	160/15	OVCST	F	1.24	0.35	0.043	0.0356	0.0765	0.0065	0.0020	0.0015	NR
						5.0					1.03	0.34	0.041	0.0243	0.0740	0.0070	0.0030	0.0010	NR
						10.0					1.16	****	0.050	0.0205	0.0730	0.0080	0.0060	0.0050	P
3-16-64	7/271	1300	1.5	35000	49	0.0	63	320/12	BROKN	NONE	1.59	0.44	0.038	0.0235	0.0735	0.0030	0.0010	0.0005	P
						5.0					1.13	0.37	0.040	0.0217	0.0730	0.0040	0.0010	0.0005	N
						10.0					0.85	0.24	0.060	0.0210	0.0760	0.0120	0.0100	0.0055	C
3-16-64	8/272	1320	1.7	35000	49	0.0	64	320/12	BROKN	NONE	0.75	0.45	0.044	0.0215	0.0725	0.0130	0.0055	0.0025	R
						5.0					1.11	0.40	0.043	0.0243	0.0730	0.0050	0.0015	0.0010	NR
						10.0					1.75	0.31	0.037	0.0237	0.0730	0.0040	0.0035	0.0030	P
4-29-64	1/563	700	2.0	35000	170	0.0	57	230/12	SCATD	NONE	1.22	****	0.042	0.0265	0.0740	0.0055	0.0015	0.0005	NP
						5.0					1.33	****	0.039	0.0240	0.0705	0.0060	0.0030	0.0005	N
						10.0					0.97	****	0.041	0.0223	0.0700	0.0060	0.0020	0.0010	N
2-24-64	7/137	1600	1.8	34000	49	0.0	54	200/22	CLEAR	NONE	0.99	0.31	0.046	0.0278	0.0760	0.0235	0.0035	0.0010	R
						5.0					1.05	0.42	0.047	0.0274	****	0.0050	0.0020	0.0015	NP
						10.0					1.32	0.27	0.047	0.0199	0.0770	0.0060	0.0050	0.0030	P
2-29-64	4/167	919	1.5	33000	229	0.0	42	170/16	BROKN	NONE	1.46	0.43	0.039	0.0234	0.0715	0.0050	0.0015	0.0010	P
						5.0					1.13	0.34	0.041	0.0252	0.0670	0.0055	0.0040	0.0015	N
						10.0					1.73	0.35	0.030	0.0233	0.0740	0.0065	0.0040	0.0020	P
3-16-64	3/269	900	1.5	33000	49	0.0	51	170/12	SCATD	NONE	1.02	0.40	0.044	0.0235	0.0790	0.0050	0.0035	0.0005	NP
						5.0					1.97	0.40	0.039	0.0238	0.0750	0.0025	0.0020	0.0015	P
						10.0					0.93	0.24	0.047	0.0173	0.0770	0.0050	0.0040	0.0010	NP

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-16-64	4/270	921	1.7	33000	49	0.0	53	170/12	SCATD	NONE	1.15	0.38	0.041	0.0228	0.0725	0.0050	0.0025	0.0015	N
						5.0					1.18	0.40	0.042	0.0241	0.0720	0.0055	0.0015	0.0005	N
						10.0					1.06	0.29	0.036	0.0194	0.0730	0.0070	0.0050	0.0040	P
2-10-64	3/28	930	1.5	32000	49	0.0	41	10/12	BROKN	NONE	1.10	0.41	0.047	0.0234	0.0835	0.0060	0.0030	0.0010	N
						5.0					1.46	0.33	0.045	0.0229	0.0770	0.0035	0.0015	0.0010	P
						10.0					0.73	0.27	0.046	0.0191	0.0740	0.0030	0.0030	0.0020	N
2-10-64	4/29	1002	1.5	32000	49	0.0	43	20/17	SCATD	NONE	1.34	0.42	0.048	0.0254	0.0820	0.0030	0.0020	0.0010	NP
						5.0					1.24	0.37	0.046	0.0269	0.0765	0.0065	0.0055	0.0030	C
						10.0					1.03	0.28	0.052	0.0192	0.0790	0.0020	0.0015	0.0010	NP
2-10-64	5/30	1326	1.5	32000	49	0.0	52	350/18	CLEAR	NONE	0.72	0.35	0.053	0.0210	0.0850	0.0110	0.0050	0.0020	R
						5.0					2.29	0.30	0.046	0.0258	0.0800	0.0015	0.0010	0.0005	P
						10.0					1.02	0.31	0.049	0.0225	0.0790	0.0065	0.0040	0.0030	NP
2-10-64	6/31	1358	1.5	32000	49	0.0	52	10/18	SCATD	NONE	1.02	0.44	0.056	0.0276	0.0880	0.0115	0.0040	0.0010	NP
						5.0					1.11	0.33	0.049	0.0247	0.0825	0.0080	0.0040	0.0010	NP
						10.0					0.91	0.28	0.048	0.0210	0.0800	0.0040	0.0030	0.0020	N
2-10-64	7/32	1602	1.5	32000	49	0.0	51	340/14	CLEAR	NONE	0.91	0.36	0.069	0.0298	0.0855	0.0055	0.0015	0.0010	NR
						5.0					1.11	0.34	0.050	0.0248	0.0820	0.0045	0.0020	0.0010	NP
						10.0					0.93	0.29	0.044	0.0199	0.0760	0.0070	0.0030	0.0020	NR
2-10-64	8/33	1631	1.5	32000	49	0.0	51	340/14	CLEAR	NONE	0.72	0.33	0.053	0.0219	0.0840	0.0135	0.0020	0.0010	R
						5.0					1.33	0.36	0.047	0.0288	0.0795	0.0060	0.0025	0.0015	NP
						10.0					0.91	0.29	0.052	0.0197	0.0750	0.0070	0.0040	0.0010	N
2-11-64	1/35	701	1.5	32000	49	0.0	26	110/10	CLEAR	NONE	1.10	0.47	0.044	0.0264	0.0795	0.0045	0.0010	0.0005	N
						5.0					0.97	0.37	0.042	0.0314	0.0745	0.0040	0.0015	0.0005	N
						10.0					0.61	0.29	0.051	0.0182	0.0790	0.0080	0.0020	0.0010	NR
2-11-64	2/36	731	1.5	32000	49	0.0	27	130/10	CLEAR	NONE	****	****	****	****	****	****	****	****	****
						5.0					0.99	0.34	0.040	0.0227	0.0755	0.0030	0.0008	0.0005	N
						10.0					0.81	0.30	0.047	0.0190	0.0790	0.0050	0.0010	0.0005	NR
2-11-64	3/37	930	1.5	32000	49	0.0	34	150/15	CLEAR	NONE	0.97	0.34	0.045	0.0232	0.0765	0.0070	0.0045	0.0025	NR
						5.0					1.04	0.38	0.049	0.0299	0.0730	0.0140	0.0060	0.0040	NR
						10.0					0.89	0.23	0.050	0.0174	0.0680	0.0050	0.0025	0.0020	NP
2-11-64	4/38	1000	1.5	32000	49	0.0	37	150/15	SCATD	NONE	1.12	0.39	0.043	0.0275	0.0760	0.0050	0.0010	0.0005	N
						5.0					1.30	0.43	0.040	0.0263	0.0735	0.0035	0.0015	0.0005	NR
						10.0					0.92	0.36	0.051	0.0235	0.0780	0.0070	0.0020	0.0010	N
2-11-64	5/39	1328	1.8	32000	49	0.0	47	150/14	OVCST	NONE	1.19	0.36	0.043	0.0263	0.0740	0.0060	0.0020	0.0015	N
						5.0					1.15	0.39	0.042	0.0261	0.0695	0.0020	0.0013	0.0010	N
						10.0					0.90	0.29	0.042	0.0148	0.0700	0.0100	0.0035	0.0025	NR
2-11-64	6/40	1359	1.8	32000	49	0.0	48	160/15	OVCST	NONE	0.81	0.33	0.045	0.0288	0.0705	0.0155	0.0005	0.0001	R
						5.0					1.15	0.43	0.037	0.0239	0.0650	0.0055	0.0020	0.0005	N
						10.0					0.65	0.23	0.048	0.0198	0.0630	0.0110	0.0070	0.0050	NR
2-12-64	1/43	703	1.5	32000	49	0.0	45	160/20	OVCST	NONE	0.68	0.28	0.053	0.0199	0.0730	0.0250	0.0110	0.0080	R
						5.0					****	****	****	****	****	****	****	****	****
						10.0					0.24	0.10	0.086	0.0117	****	0.0120	0.0070	0.0050	R
2-12-64	2/44	729	1.5	32000	49	0.0	45	160/20	BROKN	NONE	0.87	0.29	0.045	0.0191	0.0720	0.0120	0.0075	0.0030	R
						5.0					****	****	****	****	****	****	****	****	****
						10.0					0.57	0.22	0.046	0.0151	****	0.0210	0.0160	0.0130	R
2-12-64	3/45	928	1.5	32000	49	0.0	43	170/19	OVCST	-L, F	0.68	0.26	0.042	0.0173	0.0705	0.0050	0.0030	0.0020	R
						5.0					****	****	****	****	****	****	****	****	****
						10.0					0.49	0.16	0.051	0.0133	****	0.0120	0.0110	0.0080	R

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-12-64	4/46	959	1.5	32000	49	0.0	43	170/18	OVCST	-L, F	1.40	0.35	0.041	0.0276	0.0740	0.0050	0.0015	0.0010	P
						5.0					****	****	****	****	****	****	****	****	**
						10.0					0.79	0.19	0.043	0.0134	****	0.0085	0.0050	0.0030	NP
2-13-64	1/47	700	1.5	32000	49	0.0	33	30/10	OVCST	NONE	0.81	0.35	0.047	0.0257	0.0725	0.0125	0.0030	0.0015	R
						5.0					0.66	0.25	0.056	0.0165	****	0.0155	0.0115	0.0070	R
						10.0					****	****	****	****	****	****	****	****	**
2-13-64	2/48	728	1.5	32000	49	0.0	33	30/10	OVCST	NONE	1.02	0.38	0.045	0.0284	0.0715	0.0090	0.0070	0.0030	R
						5.0					0.87	0.38	0.042	0.0239	0.0695	0.0050	0.0020	0.0010	R
						10.0					****	0.36	****	****	****	****	****	****	**
2-13-64	7/53	1559	1.5	32000	49	0.0	48	20/19	CLEAR	NONE	1.12	****	0.043	0.0272	0.0755	0.0115	0.0055	0.0020	R
						5.0					1.22	0.35	0.041	0.0257	0.0705	0.0010	0.0008	0.0005	NP
						10.0					1.12	0.29	0.045	0.0183	0.0730	0.0060	0.0025	0.0020	NP
2-13-64	8/54	1630	1.5	32000	49	0.0	48	20/9	CLEAR	NONE	1.25	****	0.043	0.0287	0.0745	0.0055	0.0020	0.0010	NR
						5.0					0.92	0.29	0.047	0.0208	0.0685	0.0055	0.0025	0.0015	NR
						10.0					0.70	0.30	0.050	0.0169	0.0730	0.0040	0.0030	0.0020	NR
2-14-64	1/54	701	1.5	32000	49	0.0	28	150/12	CLEAR	NONE	0.96	****	****	****	0.0700	0.0075	0.0030	0.0015	**
						5.0					1.18	0.33	0.041	0.0302	0.0705	0.0040	0.0010	0.0005	N
						10.0					0.88	0.34	0.043	0.0215	0.0690	0.0060	0.0030	0.0010	NP
2-14-64	2/55	729	1.5	32000	49	0.0	28	150/12	CLEAR	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.23	0.34	0.039	0.0208	0.0680	0.0060	0.0015	0.0010	N
						10.0					0.96	0.35	0.039	0.0176	0.0740	0.0060	0.0030	0.0020	NP
2-14-64	3/56	928	1.5	32000	49	0.0	36	150/12	CLEAR	NONE	1.07	****	****	****	0.0705	0.0035	0.0015	0.0010	**
						5.0					0.85	0.32	0.054	0.0253	0.0660	0.0055	0.0040	0.0025	NR
						10.0					0.73	0.31	0.044	0.0160	0.0780	0.0070	0.0040	0.0020	NR
2-14-64	4/57	1003	1.5	32000	49	0.0	39	150/18	CLEAR	NONE	1.37	0.28	0.041	0.0238	0.0700	0.0055	0.0030	0.0015	NP
						5.0					0.70	0.27	0.039	0.0135	0.0690	0.0050	0.0005	0.0002	N
						10.0					0.71	0.28	0.042	0.0155	0.0750	0.0150	0.0040	0.0030	NR
2-14-64	5/58	1329	1.5	32000	49	0.0	51	150/25	CLEAR	NONE	1.32	0.39	0.043	0.0259	0.0710	0.0045	0.0025	0.0020	NP
						5.0					****	****	****	****	****	****	****	****	**
						10.0					1.39	0.30	0.042	0.0219	0.0710	0.0040	0.0030	0.0010	P
2-14-64	6/59	1357	1.5	32000	49	0.0	52	150/20	SCATD	NONE	1.22	0.34	0.042	0.0296	0.0720	0.0060	0.0030	0.0020	NR
						5.0					****	****	****	****	****	****	****	****	**
						10.0					1.44	0.36	0.050	0.0219	0.0710	0.0050	0.0040	0.0030	P
2-14-64	7/60	1558	1.5	32000	49	0.0	51	140/22	OVCST	NONE	1.04	0.35	0.043	0.0253	0.0705	0.0055	0.0040	0.0005	NR
						5.0					0.82	0.30	0.040	0.0190	0.0680	0.0115	0.0065	0.0040	NR
						10.0					0.62	0.28	0.051	0.0178	0.0720	0.0080	0.0040	0.0030	**
2-14-64	8/61	1627	1.5	32000	49	0.0	50	140/22	OVCST	NONE	0.87	0.35	0.043	0.0249	0.0705	0.0035	0.0005	0.0001	NR
						5.0					0.83	0.28	0.046	0.0198	0.0660	0.0100	0.0035	0.0020	NR
						10.0					0.47	0.18	0.077	0.0172	****	0.0270	0.0210	0.0160	**
2-15-64	1/63	701	1.5	32000	49	0.0	37	280/20	OVCST	NONE	1.24	0.30	0.050	0.0271	0.0760	0.0080	0.0050	0.0030	NP
						5.0					1.35	0.32	0.042	0.0260	0.0740	0.0070	0.0040	0.0025	NP
						10.0					0.47	0.23	0.050	0.0141	0.0740	0.0065	0.0020	0.0010	NR
2-15-64	2/64	731	1.5	32000	49	0.0	29	310/27	OVCST	-R	1.11	0.36	0.047	0.0227	0.0750	0.0020	0.0010	0.0005	NR
						5.0					1.12	0.32	0.044	0.0254	0.0735	0.0065	0.0020	0.0010	N
						10.0					0.70	0.22	0.047	0.0173	0.0760	0.0105	0.0080	0.0040	NR
2-15-64	3/65	1329	1.5	32000	49	0.0	41	330/26	OVCST	NONE	1.94	0.37	0.045	0.0273	0.0770	0.0025	0.0015	0.0005	P
						5.0					1.19	0.36	0.041	0.0239	0.0700	0.0085	0.0040	0.0015	N
						10.0					0.48	0.22	0.060	0.0141	0.0730	0.0160	0.0080	0.0030	R

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-15-64	5/67	1559	1.5	32000	49	0.0 5.0 10.0	39	330/17	OVCST	NONE	0.81 0.52 0.30	0.21 0.20 0.12	0.046 0.048 0.059	0.0232 0.0149 0.0128	0.0680 **** ****	0.0060 0.0285 0.0220	0.0045 0.0160 0.0140	0.0030 0.0120 0.0085	R R R
2-15-64	6/68	1630	1.5	32000	49	0.0 5.0 10.0	39	310/20	OVCST	NONE	0.58 0.67 0.66	0.26 0.27 0.17	0.056 0.050 0.049	0.0195 0.0225 0.0112	0.0740 **** 0.0750	0.0235 0.0270 0.0060	0.0050 0.0095 0.0040	0.0040 0.0065 0.0030	R R NP
2-16-64	2/70	730	1.5	32000	49	0.0 5.0 10.0	21	120/8	CLEAR	NONE	1.15 0.90 0.54	0.39 0.29 0.20	0.047 0.042 0.050	0.0331 0.0228 0.0157	0.0770 0.0730 0.0780	0.0060 0.0060 0.0070	0.0020 0.0025 0.0030	0.0010 0.0015 0.0010	NR NR NR
2-16-64	3/71	930	1.5	32000	49	0.0 5.0 10.0	28	290/8	CLEAR	NONE	1.25 0.89 0.56	0.36 0.29 0.21	0.047 0.045 0.050	0.0325 0.0249 0.0146	0.0780 0.0740 0.0780	0.0055 0.0070 0.0080	0.0025 0.0035 0.0050	0.0008 0.0015 0.0030	NR NR NR
2-16-64	4/72	959	1.5	32000	49	0.0 5.0 10.0	28	320/6	CLEAR	NONE	1.27 0.86 0.53	0.32 0.29 0.18	0.047 0.040 0.050	0.0325 0.0195 0.0171	0.0780 0.0730 0.0790	0.0065 0.0075 0.0080	0.0025 0.0030 0.0050	0.0015 0.0015 0.0030	NP NR NR
2-17-64	2/78	730	1.5	32000	49	0.0 5.0 10.0	31	150/15	CLEAR	NONE	1.32 0.92 0.92	0.33 0.28 0.22	0.055 0.040 0.050	0.0295 0.0204 0.0188	0.0775 0.0735 0.0800	0.0020 0.0010 0.0050	0.0005 0.0010 0.0010	0.0001 0.0005 0.0002	NP N N
2-17-64	4/80	957	1.5	32000	49	0.0 5.0 10.0	43	150/15	SCATD	NONE	1.37 1.31 1.12	0.31 0.33 0.25	0.046 0.036 0.047	0.0274 0.0230 0.0192	0.0750 0.0720 0.0800	0.0050 0.0035 0.0120	0.0010 0.0015 0.0080	0.0005 0.0005 0.0065	NP NP P
2-17-64	5/81	1329	1.5	32000	49	0.0 5.0 10.0	45	160/10	OVCST	-R	1.09 0.87 0.78	0.33 0.36 0.19	0.047 0.041 0.052	0.0271 0.0177 0.0135	0.0770 0.0760 0.0800	0.0060 0.0050 0.0050	0.0040 0.0035 0.0040	0.0015 0.0025 0.0035	NR N NP
2-17-64	6/82	1359	1.5	32000	49	0.0 5.0 10.0	43	220/9	OVCST	-R	1.33 0.71 0.81	0.37 0.33 0.22	0.042 0.047 0.053	0.0294 0.0197 0.0167	0.0755 0.0720 0.0790	0.0050 0.0070 0.0080	0.0010 0.0030 0.0060	0.0005 0.0015 0.0050	NP NR NP
2-17-64	7/83	1558	1.5	32000	49	0.0 5.0 10.0	42	180/5	OVCST	-R, -F	0.95 0.76 0.62	0.33 0.32 0.20	0.048 0.053 0.051	0.0250 0.0169 0.0141	0.0780 0.0750 0.0820	0.0050 0.0070 0.0105	0.0015 0.0045 0.0060	0.0010 0.0035 0.0050	NR NR NR
2-18-64	3/87	929	1.8	32000	49	0.0 5.0 10.0	38	320/20	CLEAR	NONE	1.89 0.76 0.78	0.40 0.30 ****	0.042 0.041 0.048	0.0314 0.0187 0.0138	0.0735 0.0670 0.0750	0.0015 0.0070 0.0050	0.0008 0.0015 0.0012	0.0005 0.0005 0.0010	NP NR NP
2-18-64	4/88	957	1.5	32000	49	0.0 5.0 10.0	40	330/20	CLEAR	NONE	1.32 0.91 0.70	0.33 0.35 ****	0.045 0.034 0.052	0.0327 0.0224 0.0185	0.0775 0.0720 0.0780	0.0030 0.0060 0.0070	0.0008 0.0030 0.0040	0.0005 0.0020 0.0030	N NR N
2-18-64	5/89	1329	1.5	32000	49	0.0 5.0 10.0	49	320/21	SCATD	NONE	1.70 1.01 0.32	0.28 0.35 0.15	0.047 0.040 0.073	0.0263 0.0181 0.0146	0.0770 0.0715 ****	0.0050 0.0080 0.0150	0.0045 0.0035 0.0100	0.0040 0.0025 0.0070	P N R
2-18-64	6/90	1359	1.5	32000	49	0.0 5.0 10.0	49	330/26	BROKN	NONE	0.76 1.95 0.69	0.35 0.34 0.19	0.050 0.046 0.047	0.0256 0.0238 0.0145	0.0755 **** ****	0.0055 0.0185 0.0270	0.0020 0.0150 0.0220	0.0005 0.0130 0.0140	R C **
2-18-64	7/91	1559	1.5	32000	49	0.0 5.0 10.0	50	320/24	BROKN	NONE	1.21 1.23 0.59	0.29 0.29 0.22	0.060 0.040 0.051	0.0242 0.0207 0.0173	0.0760 **** ****	0.0100 0.0135 0.0250	0.0095 0.0130 0.0170	0.0060 0.0030 0.0070	C C R
2-18-64	8/92	1633	1.5	32000	49	0.0 5.0 10.0	50	320/24	BROKN	NONE	1.33 1.05 0.72	0.33 0.31 0.26	0.044 0.048 0.065	0.0269 0.0200 0.0237	0.0770 **** ****	0.0040 0.0160 0.0150	0.0015 0.0145 0.0120	0.0010 0.0125 0.0100	NP C **

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-19-64	3/95	927	1.5	32000	229	0.0	32	310/18	CLEAR	NONE	1.03	0.28	0.049	0.0252	0.0835	0.0060	0.0040	0.0025	NR
						5.0					0.91	0.56	0.045	0.0224	0.0780	0.0065	0.0040	0.0015	N
						10.0					0.42	0.12	0.064	0.0134	0.0815	0.0170	0.0080	0.0060	R
2-19-64	4/96	957	1.5	32000	229	0.0	34	310/18	CLEAR	NONE	1.18	0.31	0.045	0.0314	0.0820	0.0035	0.0015	0.0005	NR
						5.0					1.35	0.56	0.041	0.0200	0.0825	0.0050	0.0030	0.0020	NP
						10.0					0.37	0.08	0.054	0.0106	0.0760	0.0070	0.0025	0.0015	R
2-19-64	7/99	1600	1.5	32000	229	0.0	45	350/10	BROKN	NONE	1.22	0.34	0.050	0.0352	0.0890	0.0050	0.0020	0.0015	NP
						5.0					0.86	0.56	0.051	0.0218	0.0820	0.0050	0.0030	0.0025	N
						10.0					0.63	0.17	0.055	0.0199	0.0875	0.0130	0.0080	0.0060	NR
2-20-64	1/100	700	1.5	32000	49	0.0	32	20/16	BROKN	NONE	1.18	0.27	0.052	0.0273	0.0920	0.0060	0.0030	0.0010	NR
						5.0					1.31	0.48	0.052	0.0293	0.0900	0.0060	0.0010	0.0005	P
						10.0					0.48	0.11	0.060	0.0170	0.0880	0.0240	0.0120	0.0050	R
2-20-64	2/101	730	1.5	32000	49	0.0	32	20/16	BROKN	NONE	1.01	0.27	0.050	0.0276	0.0830	0.0095	0.0055	0.0040	NR
						5.0					1.99	0.39	0.046	0.0207	0.0820	0.0055	0.0040	0.0025	P
						10.0					0.41	0.09	0.060	0.0160	0.0800	0.0250	0.0120	0.0030	R
2-20-64	3/102	931	1.5	32000	49	0.0	31	20/14	BROKN	-S	1.17	0.29	0.049	0.0296	0.0875	0.0050	0.0030	0.0010	NR
						5.0					0.90	0.49	0.055	0.0285	0.0800	0.0105	0.0075	0.0040	NR
						10.0					0.45	0.14	0.062	0.0171	0.0870	0.0150	0.0100	0.0080	R
2-20-64	4/103	959	1.5	32000	49	0.0	32	360/15	SCATD	NONE	0.82	0.33	0.060	0.0269	0.0875	0.0075	0.0040	0.0025	R
						5.0					1.24	0.35	0.051	0.0225	0.0850	0.0050	0.0040	0.0035	P
						10.0					0.36	0.12	0.067	0.0126	****	0.0180	0.0090	0.0055	R
2-20-64	5/104	1329	1.5	32000	49	0.0	36	10/16	CLEAR	NONE	0.75	0.26	0.056	0.0283	0.0880	0.0115	0.0070	0.0040	R
						5.0					1.25	0.38	0.063	0.0313	0.0960	0.0125	0.0115	0.0105	P
						10.0					0.31	0.10	0.087	0.0152	****	0.0290	0.0200	0.0160	R
2-20-64	6/105	1400	1.5	32000	49	0.0	37	360/16	SCATD	NONE	0.90	0.29	0.055	0.0277	0.0860	0.0095	0.0050	0.0015	R
						5.0					0.96	0.48	0.051	0.0287	0.0790	0.0155	0.0085	0.0045	NR
						10.0					0.19	0.05	0.066	0.0084	****	0.0240	0.0080	0.0050	R
2-21-64	1/107	658	1.5	32000	49	0.0	19	320/5	SCATD	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.00	0.33	0.042	0.0194	0.0700	0.0060	0.0020	0.0010	N
						10.0					0.70	0.24	0.047	0.0159	0.0780	0.0055	0.0008	0.0005	N
2-21-64	2/108	730	1.5	32000	49	0.0	19	320/5	SCATD	NONE	1.36	0.40	0.043	0.0316	0.0775	0.0050	0.0007	0.0005	N
						5.0					1.19	0.35	0.041	0.0247	0.0740	0.0035	0.0008	0.0005	N
						10.0					0.91	0.27	0.050	0.0213	0.0780	0.0060	0.0015	0.0005	N
2-21-64	3/109	929	1.5	32000	49	0.0	25	330/10	BROKN	* NONE	1.29	0.41	0.045	0.0308	0.0795	0.0050	0.0020	0.0005	NR
						5.0					1.18	0.42	0.045	0.0272	0.0750	0.0065	0.0020	0.0010	N
						10.0					1.02	0.30	0.049	0.0215	0.0770	0.0050	0.0015	0.0005	NP
2-21-64	4/110	959	1.5	32000	49	0.0	27	340/11	CLEAR	NONE	1.16	0.34	0.042	0.0242	0.0765	0.0050	0.0020	0.0005	NR
						5.0					1.30	0.43	0.043	0.0344	0.0745	0.0045	0.0015	0.0005	N
						10.0					0.90	0.29	0.050	0.0231	0.0740	0.0050	0.0010	0.0005	NP
2-21-64	5/111	1329	1.5	32000	49	0.0	35	360/13	SCATD	NONE	1.14	0.39	0.052	0.0301	0.0780	0.0040	0.0035	0.0030	NR
						5.0					0.92	0.33	0.050	0.0249	0.0750	0.0120	0.0065	0.0015	NR
						10.0					0.80	0.20	0.058	0.0133	0.0800	0.0100	0.0090	0.0070	NP
2-21-64	6/112	1400	1.5	32000	49	0.0	35	20/15	BROKN	NONE	1.79	0.47	0.045	0.0345	0.0795	0.0060	0.0015	0.0005	P
						5.0					0.85	0.30	0.046	0.0213	0.0735	0.0070	0.0010	0.0005	N
						10.0					0.62	0.20	0.051	0.0183	0.0770	0.0080	0.0060	0.0040	NR
2-21-64	7/113	1601	1.5	32000	49	0.0	37	360/9	SCATD	NONE	0.90	0.42	0.052	0.0279	0.0810	0.0110	0.0070	0.0030	R
						5.0					0.56	0.23	0.056	0.0180	0.0750	0.0085	0.0055	0.0045	R
						10.0					1.23	0.33	0.051	0.0236	0.0790	0.0110	0.0075	0.0060	P

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-21-64	8/114	1629	1.5	32000	49	0.0	37	360/9	SCATD	NONE	0.88	0.36	0.052	0.0243	0.0780	0.0070	0.0025	0.0015	R
						5.0					0.80	0.27	0.047	0.0181	0.0720	0.0080	0.0040	0.0015	NR
						10.0					1.09	0.31	0.054	0.0237	0.0800	0.0135	0.0090	0.0060	NP
2-22-64	3/117	931	1.5	32000	49	0.0	30	180/10	SCATD	NONE	****	****	****	****	****	****	****	****	****
						5.0					1.32	0.42	0.045	0.0308	0.0760	0.0075	0.0035	0.0015	NP
						10.0					0.91	0.28	0.046	0.0221	0.0770	0.0050	0.0020	0.0005	N
2-22-64	4/118	1000	1.5	32000	49	0.0	34	180/10	SCATD	NONE	1.17	0.35	0.048	0.0285	0.0835	0.0030	0.0008	0.0005	N
						5.0					1.24	0.39	0.040	0.0251	0.0780	0.0060	0.0005	0.0002	N
						10.0					0.90	0.26	0.052	0.0196	0.0810	0.0080	0.0060	0.0040	NP
2-22-64	5/119	1330	1.5	32000	49	0.0	45	170/7	CLEAR	NONE	1.36	0.56	0.056	0.0366	0.0890	0.0050	0.0015	0.0005	N
						5.0					1.06	0.36	0.040	0.0233	0.0750	0.0100	0.0070	0.0050	NP
						10.0					1.00	0.25	0.052	0.0189	****	0.0020	0.0015	0.0010	P
2-22-64	6/120	1400	1.5	32000	49	0.0	47	160/9	SCATD	NONE	1.34	0.49	0.051	0.0323	0.0835	0.0070	0.0040	0.0035	N
						5.0					0.93	0.30	0.050	0.0233	0.0800	0.0140	0.0025	0.0015	NR
						10.0					0.52	0.26	0.070	0.0198	****	0.0320	0.0170	0.0050	R
2-22-64	7/121	1559	1.5	32000	49	0.0	50	240/13	SCATD	NONE	1.15	0.41	0.049	0.0261	0.0770	0.0185	0.0120	0.0085	NR
						5.0					0.72	0.28	0.057	0.0196	0.0800	0.0065	0.0040	0.0035	R
						10.0					0.90	0.41	0.057	0.0259	****	0.0340	0.0140	0.0110	**
2-22-64	8/122	1629	1.5	32000	49	0.0	50	240/13	SCATD	NONE	1.60	0.42	0.042	0.0233	0.0815	0.0065	0.0030	0.0020	NP
						5.0					0.75	0.30	0.044	****	****	0.0285	0.0230	0.0110	R
						10.0					0.27	0.13	0.070	0.0112	****	0.0170	0.0050	0.0020	R
2-23-64	3/125	929	1.5	32000	49	0.0	34	10/18	SCATD	NONE	1.40	0.34	0.044	0.0343	0.0760	0.0075	0.0025	0.0005	NP
						5.0					1.54	0.37	0.040	0.0294	0.0710	0.0080	0.0035	0.0025	P
						10.0					0.94	0.24	0.046	0.0184	0.0710	0.0070	0.0035	0.0025	NP
2-23-64	4/126	959	1.5	32000	49	0.0	35	10/18	SCATD	NONE	1.16	0.35	****	****	0.0750	0.0050	0.0005	0.0001	**
						5.0					1.33	0.31	0.046	****	0.0735	0.0040	0.0020	0.0015	P
						10.0					1.17	0.22	0.043	0.0150	0.0700	0.0075	0.0050	0.0030	P
2-23-64	5/127	1330	1.5	32000	49	0.0	38	10/10	OVCST	NONE	1.31	0.37	0.042	0.0273	0.0725	0.0070	0.0015	0.0010	NP
						5.0					1.36	0.41	0.046	0.0313	0.0725	0.0045	0.0030	0.0020	P
						10.0					1.13	0.25	0.044	0.0181	0.0710	0.0020	0.0010	0.0005	P
2-23-64	6/128	1400	1.5	32000	49	0.0	38	10/10	OVCST	NONE	1.06	0.32	0.048	0.0284	0.0780	0.0085	0.0010	0.0005	NR
						5.0					1.59	0.31	0.039	****	0.0720	****	****	****	P
						10.0					0.98	0.28	0.040	0.0187	0.0750	0.0065	0.0030	0.0010	NP
2-23-64	7/129	1600	1.5	32000	49	0.0	37	360/13	OVCST	NONE	1.16	0.34	0.044	0.0250	0.0745	0.0035	0.0020	0.0010	NR
						5.0					0.93	0.36	0.043	0.0251	0.0745	0.0035	0.0020	0.0010	N
						10.0					0.89	0.25	0.043	0.0177	0.0740	0.0060	0.0040	0.0020	NP
2-23-64	8/130	1631	1.5	32000	49	0.0	37	360/13	OVCST	NONE	1.34	0.25	0.039	0.0231	0.0710	0.0170	0.0060	0.0045	NR
						5.0					0.69	0.26	0.036	0.0152	0.0710	0.0170	0.0060	0.0045	R
						10.0					0.47	0.19	0.050	0.0141	****	0.0830	0.0110	0.0090	R
2-24-64	3/133	931	1.5	32000	49	0.0	36	180/12	BROKN	NONE	1.03	0.35	0.052	0.0256	0.0835	0.0055	0.0020	0.0005	NR
						5.0					0.93	0.39	0.050	0.0237	0.0825	0.0070	0.0030	0.0015	N
						10.0					0.57	0.24	0.058	0.0168	0.0830	0.0190	0.0050	0.0030	NR
2-24-64	4/134	1000	1.5	32000	49	0.0	39	200/10	SCATD	NONE	1.22	0.30	0.045	0.0289	0.0760	0.0050	0.0015	0.0005	NP
						5.0					0.90	0.33	0.042	0.0202	0.0730	0.0065	0.0035	0.0030	P
						10.0					1.04	0.27	0.050	0.0209	0.0810	0.0060	0.0020	0.0010	P
2-24-64	5/135	1330	1.5	32000	49	0.0	53	180/14	SCATD	NONE	1.37	0.38	0.049	0.0378	0.0850	0.0100	0.0080	0.0050	R
						5.0					0.93	0.29	0.055	0.0209	0.0810	0.0060	0.0050	0.0020	NP
						10.0					1.42	0.20	0.050	0.0142	0.0810	0.0100	0.0080	0.0070	P

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-24-64	6/136	1400	1.5	32000	49	0.0	56	180/18	BROKN	NONE	0.98	0.34	0.053	0.0267	0.0835	0.0030	0.0015	0.0010	NR
						5.0					1.49	0.38	0.046	0.0269	0.0800	0.0035	0.0025	0.0020	P
						10.0					0.57	0.19	0.061	0.0174	****	0.0190	0.0060	0.0030	R
2-24-64	8/138	1630	1.5	32000	49	0.0	54	200/22	CLEAR	NONE	1.52	0.37	0.048	0.0305	0.0820	0.0055	0.0020	0.0015	NP
						5.0					0.74	0.28	0.054	0.0219	0.0820	0.0070	0.0055	0.0035	NR
						10.0					0.63	0.30	0.052	0.0222	0.0810	0.0110	0.0080	0.0030	R
2-26-64	3/141	932	1.5	32000	49	0.0	25	360/10	SCATD	NONE	0.92	0.36	0.045	0.0252	0.0700	0.0055	0.0015	0.0005	NR
						5.0					0.95	0.36	0.038	0.0215	0.0660	0.0020	0.0010	0.0005	NR
						10.0					0.76	0.22	0.044	0.0175	0.0710	0.0060	0.0020	0.0010	NR
2-26-64	4/142	1000	1.5	32000	49	0.0	27	360/10	SCATD	NONE	1.13	0.43	0.046	0.0252	0.0790	0.0050	0.0015	0.0005	NP
						5.0					1.24	0.35	0.044	0.0254	0.0740	0.0065	0.0030	0.0010	NP
						10.0					1.19	0.23	0.033	0.0164	0.0780	0.0060	0.0030	0.0020	NP
2-27-64	1/147	700	1.5	32000	49	0.0	22	120/4	CLEAR	NONE	0.90	0.34	0.044	0.0236	0.0750	0.0060	0.0020	0.0005	NR
						5.0					0.87	0.35	0.044	0.0179	0.0750	0.0055	0.0020	0.0015	NR
						10.0					0.54	0.22	0.052	0.0149	0.0810	0.0075	0.0030	0.0020	NR
2-27-64	2/148	730	1.5	32000	49	0.0	23	120/4	CLEAR	NONE	0.85	0.40	0.044	0.0241	0.0725	0.0060	0.0020	0.0010	NR
						5.0					1.14	0.41	0.041	0.0276	0.0690	0.0055	0.0020	0.0010	NP
						10.0					0.83	0.25	0.044	0.0188	0.0730	0.0075	0.0040	0.0020	NR
2-27-64	7/153	1600	1.5	32000	49	0.0	42	50/12	OVCST	NONE	1.70	0.36	0.039	0.0229	0.0770	0.0065	0.0045	0.0040	P
						5.0					1.86	0.42	0.040	0.0267	0.0750	0.0080	0.0055	0.0050	P
						10.0					0.53	0.17	0.061	0.0147	****	0.0085	0.0070	0.0055	**
2-27-64	8/154	1616	1.5	32000	49	0.0	41	50/12	OVCST	NONE	1.63	0.39	****	****	0.0745	0.0105	0.0065	0.0045	P
						5.0					1.06	0.32	0.042	0.0194	****	0.0060	0.0045	0.0030	**
						10.0					0.20	0.10	0.060	0.0091	****	0.0160	0.0080	0.0055	R
2-28-64	1/156	700	1.5	32000	49	0.0	28	310/10	CLEAR	NONE	1.03	0.50	0.046	0.0244	0.0825	0.0060	0.0020	0.0005	NP
						5.0					1.10	0.37	0.044	0.0260	0.0750	0.0060	0.0020	0.0005	N
						10.0					0.81	0.29	0.051	0.0200	0.0750	0.0090	0.0050	0.0015	NR
2-28-64	2/157	721	1.5	32000	49	0.0	28	310/10	CLEAR	NONE	0.90	0.49	0.047	0.0244	0.0820	0.0055	0.0010	0.0005	NR
						5.0					1.06	0.36	0.046	0.0243	0.0745	0.0060	0.0025	0.0010	N
						10.0					0.71	0.27	0.052	0.0187	0.0760	0.0055	0.0030	0.0020	N
2-28-64	3/158	901	1.5	32000	49	0.0	34	310/17	CLEAR	NONE	0.81	0.48	0.052	0.0223	0.0835	0.0065	0.0015	0.0008	NR
						5.0					0.83	0.35	0.048	0.0258	0.0765	0.0060	0.0020	0.0015	N
						10.0					0.84	0.29	0.050	0.0215	0.0740	0.0035	0.0020	0.0010	N
2-28-64	4/159	921	1.5	32000	49	0.0	35	310/17	CLEAR	NONE	0.89	0.41	0.045	0.0216	0.0810	0.0060	0.0010	0.0005	N
						5.0					0.95	0.38	0.044	0.0284	0.0710	0.0105	0.0045	0.0030	NR
						10.0					0.59	0.23	0.049	0.0173	0.0770	0.0090	0.0040	0.0020	NR
3-1-64	1/172	900	1.5	32000	49	0.0	44	210/16	CLEAR	NONE	0.99	0.38	0.044	0.0234	0.0760	0.0030	0.0015	0.0010	NR
						5.0					1.27	0.32	0.041	0.0267	0.0725	0.0035	0.0008	0.0005	NP
						10.0					1.10	0.30	0.036	0.0182	0.0750	0.0075	0.0040	0.0010	NP
3-1-64	2/173	919	1.5	32000	49	0.0	45	210/16	CLEAR	NONE	0.96	0.38	0.043	0.0210	0.0725	0.0055	0.0020	0.0005	NR
						5.0					1.34	0.34	0.043	0.0250	0.0735	0.0050	0.0010	0.0005	NP
						10.0					0.79	0.27	0.046	0.0187	0.0730	0.0070	0.0018	0.0015	N
3-1-64	3/174	1100	1.5	32000	49	0.0	54	210/14	CLEAR	NONE	1.16	0.42	0.040	0.0220	0.0740	0.0015	0.0008	0.0005	NP
						5.0					0.97	0.34	0.044	0.0258	0.0730	0.0120	0.0060	0.0035	NR
						10.0					0.69	0.24	0.053	0.1830	0.0740	0.0100	0.0045	0.0040	NR
3-1-64	4/175	1119	1.5	32000	49	0.0	56	210/14	CLEAR	NONE	0.70	0.34	0.047	0.0170	0.0755	0.0065	0.0020	0.0015	R
						5.0					1.06	0.34	0.047	0.0251	0.0760	0.0015	0.0013	0.0010	N
						10.0					0.88	0.26	0.047	0.0169	0.0765	0.0055	0.0015	0.0010	N

TABLE III.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 32,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature	
3-1-64	5/176	1301	1.5	32000	49	0.0	63	220/9	CLEAR	NONE	0.73	0.36	0.047	0.0269	0.0750	0.0065	0.0010	0.0005	R	
						5.0					0.94	0.32	0.043	0.0212	0.0735	0.0070	0.0015	0.0010	N	
						10.0					0.98	0.27	0.049	0.0196	0.0760	0.0030	0.0020	0.0010	N	
3-1-64	6/177	1320	1.5	32000	49	0.0	64	220/9	CLEAR	NONE	0.90	0.36	0.043	0.0224	0.0730	0.0055	0.0025	0.0010	NR	
						5.0					1.02	0.34	0.045	0.0267	0.0730	0.0060	0.0040	0.0030	N	
						10.0					1.21	0.33	0.032	0.0188	0.0750	0.0135	0.0035	0.0030	P	
3-2-64	5/182	1100	1.5	32000	49	0.0	61	160/17	BROKN	NONE	1.31	0.40	0.046	0.0338	0.0795	0.0025	0.0005	0.0003	NR	
						5.0					0.79	0.29	0.041	0.0191	0.0740	0.0075	0.0015	0.0008	N	
						10.0					0.68	0.19	0.048	0.0204	0.0760	0.0150	0.0055	0.0020	NR	
3-2-64	6/183	1120	1.5	32000	49	0.0	62	160/17	BROKN	NONE	1.48	0.39	0.047	0.0309	0.0770	0.0050	0.0025	0.0020	NP	
						5.0					1.07	0.32	0.043	0.0239	0.0755	0.0100	0.0045	0.0030	N	
						10.0					0.75	0.19	0.052	0.0203	0.0770	0.0120	0.0055	0.0020	NR	
3-3-64	1/184	700	1.5	32000	49	0.0	45	150/16	BROKN	NONE	1.00	0.40	0.046	0.0230	0.0765	0.0055	0.0030	0.0005	NR	
						5.0					1.15	0.33	0.045	0.0236	0.0770	0.0015	0.0005	0.0002	N	
						10.0					0.72	0.24	0.050	0.0160	0.0770	0.0050	0.0010	0.0005	N	
3-3-64	2/185	720	1.5	32000	49	0.0	46	150/16	BROKN	NONE	0.76	0.38	0.049	0.0217	0.0750	0.0100	0.0040	0.0015	R	
						5.0					1.19	0.33	0.040	0.0199	0.0760	0.0030	0.0010	0.0005	N	
						10.0					0.67	0.24	0.048	0.0174	0.0760	0.0025	0.0015	0.0010	N	
3-3-64	3/186	900	1.5	32000	49	0.0	52	150/18	OVCST	NONE	0.56	0.30	0.048	0.0155	0.0700	0.0090	0.0050	0.0025	R	
						5.0					1.11	0.42	0.049	0.0272	0.0765	0.0070	0.0030	0.0015	NR	
						10.0					0.94	0.26	0.050	0.0201	0.0765	0.0105	0.0080	0.0040	NP	
3-3-64	4/187	920	1.5	32000	49	0.0	54	150/18	OVCST	NONE	0.56	0.33	0.049	0.0162	0.0700	0.0090	0.0025	0.0010	R	
						5.0					1.40	0.41	0.044	0.0308	0.0730	0.0050	0.0040	0.0020	P	
						10.0					0.92	0.26	0.048	0.0210	0.0770	0.0060	0.0025	0.0015	NP	
3-3-64	5/188	1059	1.5	32000	49	0.0	60	150/25	SCATD	NONE	1.49	0.39	0.043	0.0255	0.0750	0.0040	0.0025	0.0015	P	
						5.0					0.80	0.33	0.055	0.0220	0.0780	0.0075	0.0040	0.0030	NR	
						10.0					0.63	0.20	0.054	0.0148	0.0790	0.0045	0.0040	0.0025	NR	
3-3-64	6/189	1120	1.5	32000	49	0.0	61	150/25	SCATD	NONE	1.56	0.39	0.042	0.0248	0.0750	0.0095	0.0040	0.0020	P	
						5.0					0.80	0.30	0.052	0.0237	0.0740	0.0070	0.0060	0.0045	**	
						10.0					0.75	0.27	0.055	0.0212	****	0.0205	0.0160	0.0085	NR	
3-3-64	7/190	1300	1.5	32000	49	0.0	67	170/18	SCATD	NONE	1.06	0.41	0.050	0.0240	0.0720	0.0080	0.0060	0.0050	P	
						5.0					1.79	0.54	0.032	0.0304	0.0770	0.0080	0.0065	0.0040	P	
						10.0					0.38	0.20	0.060	0.0129	****	0.0250	0.0185	0.0140	R	
3-3-64	8/191	1320	1.5	32000	49	0.0	67	170/18	SCATD	NONE	1.01	0.39	0.041	0.0194	0.0770	0.0055	0.0080	0.0010	NP	
						5.0					0.91	0.35	0.037	0.0200	0.0740	0.0110	0.0060	0.0050	R	
						10.0					0.87	0.35	0.069	0.0241	****	****	****	****	R	
3-4-64	2/191	721	1.5	32000	49	0.0	30	360/13	SCATD	NONE	****	0.46	****	****	****	****	****	****	****	**
						5.0					0.70	0.21	0.055	0.0166	****	****	****	****	R	
						10.0					0.44	0.17	0.061	0.0148	****	0.0235	0.0145	0.0090	R	
3-4-64	3/192	901	1.5	32000	49	0.0	29	330/18	BROKN	-S	0.80	0.59	0.065	0.0279	****	0.0110	0.0075	0.0045	C	
						5.0					0.65	0.25	0.063	0.0197	****	0.0225	0.0180	0.0075	**	
						10.0					****	****	****	****	****	****	****	****	**	
3-5-64	1/193	701	1.5	32000	49	0.0	29	220/9	CLEAR	NONE	0.87	0.45	0.051	0.0233	0.0840	0.0060	0.0020	0.0005	N	
						5.0					****	****	****	****	****	****	****	****	**	
						10.0					0.87	0.28	0.042	0.0162	0.0735	0.0050	0.0020	0.0005	NP	
3-5-64	2/194	720	1.5	32000	49	0.0	29	220/9	CLEAR	NONE	0.92	0.42	0.050	0.0249	0.0840	0.0055	0.0020	0.0008	N	
						5.0					1.01	0.34	0.047	0.0266	0.0765	0.0050	0.0010	0.0005	N	
						10.0					0.91	0.27	0.044	0.0161	0.0750	0.0050	0.0015	0.0005	NP	

TABLE IV.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 31,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type	Signature
2-16-64	5/73	1330	1.5	31000	49	0.0	47	160/11	CLEAR	NONE	1.05	0.38	0.047	0.0276	0.0770	0.0090	0.0035	0.0020	R	
						5.0					1.14	0.29	0.045	0.0255	0.0745	0.0095	0.0035	0.0025	NR	
						10.0					0.52	0.21	0.059	0.0167	0.0770	0.0120	0.0070	0.0050	NR	
2-16-64	6/74	1359	1.5	31000	49	0.0	48	160/16	CLEAR	NONE	1.13	0.33	0.048	0.0348	0.0775	0.0050	0.0015	0.0010	NR	
						5.0					1.31	0.36	0.045	0.0249	0.0735	0.0110	0.0070	0.0030	NR	
						10.0					0.68	0.24	0.050	0.0192	0.0780	0.0070	0.0040	0.0020	NR	
2-16-64	7/75	1559	1.5	31000	49	0.0	50	160/14	CLEAR	NONE	1.45	0.33	0.051	0.0314	0.0800	0.0075	0.0055	0.0020	NP	
						5.0					0.82	0.25	0.029	0.0143	0.0790	0.0065	0.0015	0.0040	NR	
						10.0					0.78	0.29	0.044	0.0172	0.0840	0.0140	0.0110	0.0070	NR	
2-16-64	8/76	1631	1.5	31000	49	0.0	50	160/14	CLEAR	NONE	1.69	0.34	0.047	0.0316	0.0800	0.0065	0.0040	0.0010	NP	
						5.0					1.03	0.33	0.039	0.0248	0.0720	0.0055	0.0030	0.0010	NR	
						10.0					0.67	0.23	0.050	0.0162	0.0790	0.0140	0.0070	0.0050	NR	
2-17-64	3/79	929	1.5	31000	49	0.0	40	150/15	SCATD	NONE	1.43	0.36	0.044	0.0236	0.0750	0.0055	0.0030	0.0010	NP	
						5.0					1.46	0.33	0.042	0.0222	0.0740	0.0060	0.0020	0.0015	P	
						10.0					0.84	0.22	0.048	0.0161	0.0770	0.0075	0.0030	0.0020	N	
2-17-64	8/84	1630	1.5	31000	49	0.0	42	180/5	OVCST	-R, F	0.97	0.30	0.046	0.0251	0.0760	0.0100	0.0040	0.0030	R	
						5.0					0.74	0.26	0.051	0.0128	0.0745	0.0110	0.0080	0.0045	R	
						10.0					0.31	0.12	0.066	0.0091	****	0.0225	0.0160	0.0090	R	
2-19-64	5/97	1330	1.5	31000	229	0.0	42	320/15	SCATD	NONE	1.18	0.24	0.051	0.0306	0.0890	0.0040	0.0015	0.0010	NR	
						5.0					1.38	0.70	0.047	0.0314	0.0825	0.0055	0.0040	0.0025	P	
						10.0					0.85	0.18	0.056	0.0239	0.0800	0.0085	0.0025	0.0010	NP	
2-19-64	6/98	1358	1.5	31000	229	0.0	43	350/10	SCATD	NONE	1.65	0.33	0.050	0.0311	0.0890	0.0050	0.0020	0.0010	P	
						5.0					0.90	0.58	0.051	0.0225	0.0820	0.0045	0.0030	0.0025	N	
						10.0					0.38	0.12	0.067	0.0127	0.0860	0.0220	0.0060	0.0030	R	
2-26-64	5/143	1330	1.5	31000	49	0.0	36	20/10	CLEAR	NONE	1.28	0.45	0.042	0.0292	0.0780	0.0050	0.0020	0.0010	N	
						5.0					1.24	0.34	0.041	0.0264	0.0745	0.0020	0.0015	0.0010	P	
						10.0					1.08	0.28	0.036	0.0183	0.0760	0.0035	0.0030	0.0020	NP	
2-26-64	6/144	1400	1.5	31000	49	0.0	37	40/10	CLEAR	NONE	1.31	0.39	0.038	0.0261	0.0670	0.0050	0.0020	0.0005	N	
						5.0					0.91	0.35	0.039	0.0221	0.0650	0.0090	0.0013	0.0010	NR	
						10.0					1.40	0.27	0.037	0.0221	0.0680	0.0055	0.0020	0.0015	P	

TABLE IV.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 31,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-27-64	3/149	930	1.5	31000	49	0.0	33	140/18	CLEAR	NONE	0.88	0.41	0.046	0.0248	0.0770	0.0060	0.0010	0.0005	N
						5.0					1.04	0.35	0.041	0.0257	0.0700	0.0060	0.0015	0.0005	N
						10.0					1.13	0.32	0.044	0.0197	0.0775	0.0025	0.0015	0.0010	NP
2-27-64	4/150	1000	1.5	31000	49	0.0	36	110/5	SCATD	NONE	0.94	0.47	0.046	0.0242	0.0750	0.0065	0.0020	0.0010	NR
						5.0					1.34	0.41	0.041	0.0267	0.0740	0.0065	0.0025	0.0020	NP
						10.0					1.04	0.27	0.049	0.0191	0.0790	0.0060	0.0015	0.0005	NP
2-28-64	5/160	1100	1.5	31000	49	0.0	42	320/11	CLEAR	NONE	0.68	0.47	0.051	0.0221	0.0825	0.0110	0.0030	0.0010	R
						5.0					0.97	0.34	0.048	0.0241	0.0760	0.0075	0.0035	0.0010	NR
						10.0					0.92	0.24	0.052	0.0161	0.0780	0.0040	0.0025	0.0015	NP
2-28-64	6/161	1119	1.5	31000	49	0.0	42	320/11	CLEAR	NONE	0.76	0.44	0.052	0.0201	0.0820	0.0110	0.0050	0.0035	NR
						5.0					1.05	0.34	0.048	0.0274	0.0780	0.0055	0.0020	0.0010	N
						10.0					0.67	0.21	0.053	0.0160	0.0780	0.0060	0.0025	0.0015	NR
2-28-64	7/162	1301	1.5	31000	49	0.0	46	320/11	CLEAR	NONE	1.12	0.44	0.051	0.0222	0.0800	0.0035	0.0020	0.0015	NP
						5.0					1.03	0.43	0.047	0.0282	0.0770	0.0090	0.0035	0.0025	NR
						10.0					2.15	0.41	0.049	0.0283	0.0790	0.0115	0.0095	0.0080	P
2-29-64	5/168	1100	1.5	31000	229	0.0	48	180/19	SCATD	NONE	0.99	0.34	0.042	0.0234	0.0725	0.0230	0.0015	0.0010	NP
						5.0					1.30	0.42	0.039	0.0241	0.0685	0.0055	0.0020	0.0015	N
						10.0					1.18	0.30	0.046	0.0267	0.0750	0.0105	0.0050	0.0045	NP
2-29-64	6/169	1120	1.5	31000	229	0.0	49	180/19	SCATD	NONE	1.41	0.33	0.040	0.0222	0.0705	0.0055	0.0045	0.0035	P
						5.0					1.62	0.39	0.041	****	0.0640	0.0055	0.0030	0.0005	NP
						10.0					0.81	0.24	0.045	0.0181	0.0720	0.0075	0.0050	0.0025	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
2-11-64	7/41	1559	1.8	30000	49	0.0	50	150/20	OVCST	NONE	1.10	0.33	0.040	0.0252	0.0730	0.0045	0.0010	0.0005	N
						5.0					1.15	0.41	0.045	0.0287	0.0705	0.0065	0.0035	0.0030	N
						10.0					1.10	0.35	0.042	0.0242	0.0710	0.0060	0.0020	0.0010	NP
2-11-64	8/42	1628	1.8	30000	49	0.0	50	150/20	OVCST	NONE	0.64	0.27	0.053	0.0207	0.0860	0.0025	0.0010	0.0005	NR
						5.0					1.50	0.33	0.048	0.0209	0.0860	0.0035	0.0025	0.0015	P
						10.0					****	****	****	****	****	****	****	****	**
2-13-64	3/49	929	1.5	30000	49	0.0	34	340/10	BROKN	NONE	1.78	0.44	0.038	0.0365	0.0725	0.0030	0.0010	0.0005	N
						5.0					0.90	0.35	0.039	0.0211	0.0690	0.0045	0.0025	0.0015	NR
						10.0					0.72	0.29	****	****	0.0700	0.0120	0.0070	0.0040	**
2-13-64	4/50	958	1.5	30000	49	0.0	35	340/10	BROKN	NONE	1.02	0.41	0.050	0.0286	0.0720	0.0060	0.0025	0.0015	N
						5.0					0.97	0.27	0.045	0.0166	0.0665	0.0100	0.0080	0.0070	C
						10.0					0.76	0.31	0.042	0.0182	0.0740	0.0100	0.0045	0.0030	NR
2-13-64	5/51	1328	1.5	30000	49	0.0	45	360/11	BROKN	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.88	0.39	0.036	0.0274	0.0690	0.0060	0.0025	0.0015	P
						10.0					1.60	0.33	****	****	0.0740	0.0085	0.0020	0.0010	P
2-13-64	6/52	1400	1.5	30000	49	0.0	45	360/11	BROKN	NONE	1.36	****	0.046	0.0328	0.0730	0.0050	0.0020	0.0015	N
						5.0					2.28	0.47	0.039	0.0294	0.0655	0.0025	0.0020	0.0015	P
						10.0					0.80	0.24	0.058	0.0143	****	0.0100	0.0070	0.0050	NP
2-26-64	7/145	1600	1.5	30000	49	0.0	40	340/5	CLEAR	NONE	1.38	0.47	0.042	0.0293	0.0730	0.0035	0.0010	0.0005	NP
						5.0					1.25	0.33	0.039	0.0216	0.0700	0.0065	0.0045	0.0035	C
						10.0					0.43	0.18	0.052	0.0135	0.0730	0.0130	0.0020	0.0015	NR
2-26-64	8/146	1630	1.5	30000	49	0.0	40	10/7	CLEAR	NONE	1.17	0.46	0.046	0.0269	0.0710	0.0055	0.0010	0.0005	NP
						5.0					1.51	0.39	0.037	0.0254	0.0675	0.0055	0.0030	0.0010	P
						10.0					0.89	0.34	0.051	0.0236	0.0730	0.0185	0.0035	0.0020	**
2-27-64	5/151	1330	1.5	30000	49	0.0	42	200/5	OVCST	NONE	1.07	0.39	0.047	0.0256	0.0740	0.0110	0.0070	0.0045	NR
						5.0					1.12	0.38	0.047	0.0261	0.0740	0.0100	0.0035	0.0030	NR
						10.0					0.58	0.29	0.062	0.0191	****	0.0260	0.0110	0.0080	NR
2-27-64	6/152	1400	1.5	30000	49	0.0	44	50/4	OVCST	NONE	1.48	0.47	0.043	0.0258	0.0715	0.0065	0.0055	0.0040	P
						5.0					2.35	0.42	0.038	0.0340	0.0740	0.0065	0.0045	0.0025	P
						10.0					0.96	0.23	0.049	0.0166	0.0750	0.0100	0.0070	0.0020	NP
2-28-64	8/163	1320	1.5	30000	49	0.0	46	320/11	CLEAR	NONE	1.29	0.39	0.041	0.0210	0.0795	0.0070	0.0050	0.0030	NP
						5.0					1.03	0.34	0.053	0.0244	0.0770	0.0080	0.0045	0.0030	NR
						10.0					0.46	0.18	0.062	0.0140	0.0790	0.0150	0.0080	0.0045	R
3-5-64	3/195	900	1.5	30000	49	0.0	38	200/10	CLEAR	NONE	1.14	0.44	0.044	0.0238	0.0755	0.0050	0.0020	0.0005	N
						5.0					1.49	0.41	0.041	0.0318	0.0710	0.0025	0.0010	0.0008	N
						10.0					0.85	0.26	0.040	0.0173	0.0720	0.0060	0.0010	0.0005	N
3-5-64	4/196	920	1.7	30000	49	0.0	39	200/10	CLEAR	NONE	1.08	0.39	0.043	0.0225	0.0780	0.0050	0.0010	0.0005	N
						5.0					1.15	0.37	0.036	0.0245	0.0660	0.0060	0.0020	0.0010	N
						10.0					1.05	0.27	0.037	0.0189	0.0680	0.0040	0.0010	0.0005	NP
3-5-64	5/197	1100	1.5	30000	49	0.0	53	200/15	CLEAR	NONE	0.98	0.42	0.046	0.0247	0.0710	0.0030	0.0010	0.0005	NR
						5.0					1.14	0.44	0.042	0.0264	0.0715	0.0075	0.0035	0.0025	N
						10.0					0.88	0.28	0.047	0.0184	0.0735	0.0150	0.0065	0.0040	NP
3-5-64	6/198	1119	1.7	30000	49	0.0	54	200/15	CLEAR	NONE	0.87	0.38	0.044	0.0218	0.0710	0.0050	0.0015	0.0010	NR
						5.0					1.48	0.43	0.041	0.0252	0.0670	0.0045	0.0010	0.0005	NP
						10.0					0.86	0.28	0.040	0.0189	0.0695	0.0105	0.0045	0.0015	NR
3-5-64	7/199	1300	1.5	30000	49	0.0	59	210/21	CLEAR	NONE	0.75	0.39	0.051	0.0225	0.0750	0.0125	0.0035	0.0020	R
						5.0					1.23	0.43	0.042	0.0271	0.0700	0.0045	0.0025	0.0020	N
						10.0					0.96	0.26	0.049	0.0168	0.0750	0.0140	0.0045	0.0035	NP

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-5-64	8/200	1320	1.7	30000	49	0.0	59	210/21	CLEAR	NONE	1.25	0.35	0.041	0.0195	0.0710	0.0030	0.0010	0.0005	NP
						5.0					1.32	0.43	0.050	0.0243	0.0660	0.0100	0.0080	0.0065	P
						10.0					0.79	0.23	0.042	0.0188	0.0680	0.0100	0.0060	0.0020	NR
3-6-64	1/200	700	1.5	30000	49	0.0	47	180/15	SCATD	NONE	0.75	0.35	0.049	0.0203	0.0725	0.0065	0.0055	0.0035	R
						5.0					0.95	0.30	0.044	0.0219	0.0700	0.0080	0.0040	0.0015	NR
						10.0					0.67	0.23	0.049	0.0164	0.0760	0.0120	0.0070	0.0050	NR
3-6-64	2/201	720	1.7	30000	49	0.0	47	180/15	SCATD	NONE	1.40	0.38	0.041	0.0219	0.0700	0.0045	0.0015	0.0010	NP
						5.0					1.13	0.35	0.041	0.0228	0.0630	0.0050	0.0005	0.0002	N
						10.0					0.90	0.27	0.046	0.0187	0.0710	0.0095	0.0060	0.0035	NP
3-6-64	3/202	900	1.5	30000	49	0.0	54	180/20	SCATD	NONE	0.66	0.36	0.049	0.0208	0.0750	0.0085	0.0045	0.0025	R
						5.0					0.99	0.32	0.044	0.0244	0.0700	0.0050	0.0020	0.0015	NR
						10.0					1.02	0.32	0.048	0.0209	0.0760	0.0110	0.0065	0.0035	NP
3-6-64	4/203	920	1.7	30000	49	0.0	54	180/20	SCATD	NONE	1.21	0.33	0.042	0.0197	0.0690	0.0065	0.0040	0.0020	NP
						5.0					1.02	0.39	0.047	0.0258	****	0.0230	0.0020	0.0015	R
						10.0					0.88	0.24	0.065	0.0215	****	0.0400	0.0355	0.0220	C
3-6-64	5/204	1100	1.5	30000	49	0.0	64	220/30	SCATD	NONE	0.94	0.35	0.044	0.0274	0.0715	0.0020	0.0013	0.0010	N
						5.0					1.06	0.29	0.036	0.0178	0.0720	0.0130	0.0080	0.0060	NR
						10.0					0.79	0.22	0.047	0.0166	0.0760	0.0060	0.0050	0.0035	NR
3-6-64	6/205	1120	1.7	30000	49	0.0	64	220/30	SCATD	NONE	1.34	0.36	0.043	0.0250	0.0680	0.0070	0.0020	0.0015	NP
						5.0					1.14	0.35	0.040	0.0261	0.0630	0.0035	0.0010	0.0005	NR
						10.0					0.67	0.21	0.054	0.0164	0.0720	0.0100	0.0060	0.0050	NR
3-6-64	7/206	1300	1.5	30000	49	0.0	72	220/22	BROKN	NONE	1.83	0.58	0.042	0.0249	****	****	****	****	P
						5.0					0.73	0.33	0.049	0.0221	****	0.0220	0.0035	0.0025	R
						10.0					0.49	0.17	0.052	0.0131	0.0730	0.0240	0.0100	0.0055	R
3-6-64	8/207	1319	1.7	30000	49	0.0	72	220/22	BROKN	NONE	1.03	0.45	0.042	0.0190	0.0725	0.0050	0.0040	0.0020	NP
						5.0					1.11	0.34	0.039	0.0226	0.0700	0.0060	0.0035	0.0015	NP
						10.0					0.80	0.19	0.034	0.0131	****	0.0140	0.0090	0.0070	C
3-7-64	1/208	701	1.7	30000	49	8.0	37	50/18	OVCST	NONE	0.32	0.13	0.045	0.0085	0.0690	0.0120	0.0045	0.0030	R
						13.0					0.38	0.16	0.056	0.0127	****	0.0075	0.0060	0.0045	**
						18.0					****	****	****	****	****	****	****	****	**
3-7-64	2/209	720	1.7	30000	49	8.0	37	50/18	OVCST	NONE	0.46	****	0.049	0.0121	****	0.0150	0.0070	0.0035	R
						13.0					0.45	0.18	0.048	0.0104	****	0.0180	0.0130	0.0095	R
						18.0					0.28	0.12	0.055	0.0081	****	0.0210	0.0140	0.0090	R
3-7-64	3/210	900	1.5	30000	49	8.0	37	50/19	OVCST	NONE	****	****	****	****	****	****	****	****	**
						13.0					0.50	0.29	0.049	0.0149	0.0830	0.0130	0.0090	0.0065	R
						18.0					0.78	0.25	0.049	0.0157	****	0.0090	0.0060	0.0050	P
3-7-64	4/211	****	1.5	30000	49	8.0	37	50/19	OVCST	NONE	0.56	0.22	0.049	0.0117	0.0750	0.0110	0.0045	0.0040	R
						13.0					0.69	0.31	0.052	0.0147	0.0830	0.0100	0.0070	0.0055	NP
						18.0					0.41	0.18	0.061	0.0136	****	0.0230	0.0140	0.0060	R
3-7-64	5/212	1100	1.5	30000	49	8.0	39	50/16	OVCST	NONE	0.53	0.21	0.057	0.0116	0.0770	0.0150	0.0100	0.0090	R
						13.0					0.71	0.29	0.051	0.0151	0.0870	0.0095	0.0050	0.0040	P
						18.0					****	****	9.999	****	****	****	****	****	**
3-7-64	6/213	1120	1.7	30000	49	8.0	39	50/16	OVCST	NONE	0.64	0.24	0.053	0.0165	0.0700	0.0110	0.0035	0.0030	NR
						13.0					0.42	0.28	0.050	0.0144	****	0.0100	0.0050	0.0035	R
						18.0					0.55	0.17	0.048	0.0111	****	0.0210	0.0130	0.0110	**
3-7-64	7/214	1300	1.5	30000	49	8.0	42	40/11	OVCST	NONE	0.58	0.22	0.048	0.0150	0.0760	0.0130	0.0025	0.0015	N
						13.0					0.32	0.20	0.062	0.0101	0.0830	0.0155	0.0035	0.0020	R
						18.0					0.28	0.11	0.061	0.0081	****	0.0220	0.0140	0.0120	R

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-7-64	8/215	1320	1.7	30000	49	8.0 13.0 18.0	42	40/11	OVCST	NONE	0.63	0.19	0.050	0.0136	0.0670	0.0025	0.0020	0.0010	NR
3-9-64	1/216	700	1.5	30000	49	0.0 5.0 10.0	30	10/17	OVCST	GF	0.81	0.35	0.044	0.0172	0.0740	0.0065	0.0040	0.0030	NP
3-9-64	2/217	721	1.7	30000	49	0.0 5.0 10.0	30	10/17	OVCST	NONE	0.30	0.11	0.060	0.0081	****	0.0100	0.0085	0.0070	**
3-15-64	2/260	720	1.7	30000	49	0.0 5.0 10.0	38	260/6	CLEAR	NONE	0.83	0.36	0.061	0.0218	0.0860	0.0335	0.0290	0.0180	R
3-15-64	3/261	900	1.5	30000	49	0.0 5.0 10.0	44	210/8	CLEAR	NONE	0.68	0.25	0.057	0.0220	0.0750	0.0155	0.0080	0.0030	R
3-15-64	4/262	920	1.7	30000	49	0.0 5.0 10.0	47	210/8	CLEAR	NONE	0.37	0.14	0.067	0.0107	****	0.0260	0.0135	0.0110	R
3-15-64	5/263	1100	1.5	30000	49	0.0 5.0 10.0	57	210/18	CLEAR	NONE	1.13	0.41	0.043	0.0230	0.0700	0.0035	0.0025	0.0020	NP
3-15-64	6/264	1120	1.7	30000	49	0.0 5.0 10.0	58	210/18	CLEAR	NONE	1.02	0.33	0.040	0.0225	0.0710	0.0050	0.0035	0.0030	N
3-15-64	7/265	1301	1.5	30000	49	0.0 5.0 10.0	63	220/17	CLEAR	NONE	0.63	0.21	0.048	0.0146	****	0.0175	0.0115	0.0050	R
3-15-64	8/266	1320	1.7	30000	49	0.0 5.0 10.0	63	220/17	CLEAR	NONE	0.82	0.42	0.043	0.0259	0.0720	0.0080	0.0030	0.0015	NR
3-16-64	1/267	700	1.5	30000	49	0.0 5.0 10.0	39	150/12	SCATD	NONE	1.14	0.41	0.043	0.0292	0.0700	0.0050	0.0020	0.0010	N
3-16-64	2/268	720	1.7	30000	49	0.0 5.0 10.0	39	150/12	SCATD	NONE	0.82	0.25	0.044	0.0205	0.0675	0.0080	0.0040	0.0025	NR
3-21-64	6/300	1300	1.7	30000	49	0.0 5.0 10.0	42	10/8	CLEAR	NONE	1.20	0.47	0.046	0.0256	0.0820	0.0050	0.0030	0.0005	N
3-22-64	1/302	700	1.5	30000	49	0.0 5.0 10.0	31	150/13	CLEAR	NONE	1.23	0.36	0.044	0.0263	0.0760	0.0050	0.0010	0.0005	N
3-22-64	2/303	720	1.7	30000	49	0.0 5.0 10.0	31	150/13	CLEAR	NONE	0.87	0.28	0.052	0.0176	0.0750	0.0040	0.0030	0.0020	N
3-22-64	3/304	859	1.7	30000	49	0.0 5.0 10.0	42	150/18	CLEAR	NONE	1.31	0.38	0.045	0.0270	0.0740	0.0060	0.0015	0.0005	NP
											1.33	0.45	0.035	0.0284	0.0685	0.0020	0.0008	0.0005	N
											1.11	0.30	0.040	0.0195	0.0750	0.0060	0.0025	0.0015	NP
											1.29	0.47	0.051	0.0261	0.0700	0.0060	0.0035	0.0030	NP
											2.20	0.42	0.049	0.0337	0.0770	0.0015	0.0015	0.0010	P
											1.96	0.32	0.036	0.0231	0.0765	0.0040	0.0020	0.0015	P
											1.48	0.41	0.038	0.0204	0.0745	0.0045	0.0020	0.0010	P
											1.46	0.43	0.039	0.0268	0.0680	0.0060	0.0035	0.0020	NP
											0.97	0.33	0.052	0.0232	0.0725	0.0050	0.0040	0.0025	NP
											0.72	0.46	0.054	0.0229	0.0770	0.0130	0.0070	0.0040	R
											1.41	0.49	0.050	0.0340	0.0725	0.0100	0.0055	0.0035	NP
											1.69	0.53	0.036	0.0325	0.0780	0.0195	0.0120	0.0090	P
											0.94	0.42	0.046	0.0195	0.0730	0.0055	0.0030	0.0025	N
											2.25	0.38	0.041	0.0245	0.0705	0.0045	0.0040	0.0030	P
											1.25	0.33	0.028	0.0196	0.0735	0.0040	0.0030	0.0020	P
											1.23	0.44	0.043	0.0244	0.0725	0.0050	0.0010	0.0005	N
											1.45	0.41	0.041	0.0284	0.0740	0.0025	0.0010	0.0005	N
											0.74	0.27	0.050	0.0193	0.0765	0.0060	0.0008	0.0005	NR
											1.27	0.41	0.042	0.0238	0.0720	0.0030	0.0015	0.0005	NP
											1.42	0.40	0.040	0.0290	0.0705	0.0025	0.0015	0.0005	NP
											0.92	0.23	0.047	0.0173	0.0730	0.0020	0.0008	0.0005	NP
											2.09	0.52	0.047	0.0339	0.0720	0.0070	0.0008	0.0005	NP
											1.66	0.51	0.030	0.0265	0.0730	0.0075	0.0060	0.0050	P
											0.56	0.25	0.064	0.0165	****	0.0200	0.0080	0.0035	R
											1.18	0.48	0.039	0.0226	0.0750	0.0050	0.0010	0.0005	NR
											1.43	0.44	0.041	0.0310	0.0720	0.0045	0.0015	0.0005	N
											1.08	0.30	0.042	0.0181	0.0745	0.0060	0.0015	0.0010	N
											1.00	0.43	0.040	0.0200	0.0700	0.0045	0.0005	0.0003	N
											1.10	0.39	0.043	0.0294	0.0660	0.0065	0.0015	0.0005	NR
											1.23	0.29	0.043	0.0200	0.0725	0.0040	0.0020	0.0010	NP
											1.51	0.45	0.041	0.0283	0.0740	0.0055	0.0035	0.0010	NR
											1.61	0.36	0.038	0.0242	0.0680	0.0050	0.0035	0.0030	NP
											0.88	0.25	0.049	0.0172	0.0690	0.0080	0.0045	0.0030	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-22-64	4/305	920	1.5	30000	49	0.0	43	150/18	CLEAR	NONE	1.51	0.39	0.043	0.0221	0.0755	0.0030	0.0025	0.0010	N
						5.0					1.92	0.41	0.042	0.0268	0.0740	0.0050	0.0025	0.0010	P
						10.0					1.23	0.27	0.039	0.0172	0.0790	0.0025	0.0015	0.0005	NP
3-22-64	5/306	1100	1.5	30000	49	0.0	52	160/15	CLEAR	NONE	1.16	0.41	0.043	0.0246	0.0755	0.0080	0.0045	0.0020	R
						5.0					****	****	****	****	****	****	****	****	**
						10.0					0.93	0.27	0.050	0.0207	0.0780	0.0040	0.0015	0.0010	N
3-22-64	6/307	1120	1.7	30000	49	0.0	52	160/15	CLEAR	NONE	1.43	0.37	0.040	0.0214	0.0710	0.0055	0.0035	0.0010	P
						5.0					1.39	0.39	0.039	0.0269	0.0685	0.0030	0.0015	0.0010	N
						10.0					****	****	****	****	****	****	****	****	**
3-22-64	7/308	1303	1.5	30000	49	0.0	60	140/18	CLEAR	NONE	0.74	0.37	0.048	0.0201	0.0760	0.0100	0.0040	0.0020	R
						5.0					1.09	0.43	0.044	0.0263	0.0750	0.0065	0.0020	0.0010	NR
						10.0					0.55	0.27	0.055	0.0184	****	0.0020	0.0010	0.0005	R
3-22-64	8/309	1319	1.7	30000	49	0.0	60	140/18	CLEAR	NONE	1.09	0.36	0.040	0.0185	0.0695	0.0045	0.0025	0.0010	NR
						5.0					1.05	0.44	0.052	0.0307	0.0695	0.0185	0.0045	0.0030	R
						10.0					0.77	0.25	0.046	0.0202	0.0720	0.0070	0.0040	0.0020	NR
3-23-64	1/310	700	1.5	30000	49	0.0	50	170/15	BROKN	NONE	1.14	0.39	0.044	0.0260	0.0730	0.0055	0.0025	0.0015	NR
						5.0					1.32	0.39	0.042	0.0246	0.0720	0.0095	0.0045	0.0030	N
						10.0					1.51	0.30	0.035	0.0191	0.0780	0.0100	0.0090	0.0070	P
3-23-64	2/311	720	1.5	30000	49	0.0	50	170/15	BROKN	NONE	1.18	0.65	****	****	0.0775	0.0065	0.0040	0.0015	**
						5.0					1.17	0.47	0.052	0.0192	0.0790	0.0065	0.0050	0.0025	NP
						10.0					0.64	0.20	0.059	0.0145	0.0780	0.0080	0.0070	0.0060	NR
3-23-64	3/312	906	1.5	30000	49	0.0	57	180/15	BROKN	NONE	1.06	0.40	****	****	0.0715	0.0095	0.0040	0.0015	**
						5.0					1.34	0.40	0.060	0.0378	0.0730	0.0060	0.0025	0.0015	N
						10.0					0.98	0.26	0.045	0.0198	0.0740	0.0070	0.0050	0.0010	NR
3-23-64	5/314	1100	1.5	30000	49	0.0	62	200/22	BROKN	NONE	1.49	0.45	0.043	0.0296	0.0760	0.0090	0.0035	0.0025	NP
						5.0					1.07	0.37	0.048	0.0231	0.0750	0.0095	0.0055	0.0035	NR
						10.0					0.56	0.22	0.056	0.0179	****	0.0130	0.0070	0.0050	R
3-23-64	6/315	1120	1.7	30000	49	0.0	62	200/22	BROKN	NONE	1.02	0.66	0.041	0.0216	****	****	****	****	NP
						5.0					1.83	0.73	0.040	0.0293	0.0690	0.0115	0.0090	0.0040	NP
						10.0					0.74	0.30	0.045	0.0239	0.0710	0.0065	0.0040	0.0025	NR
3-23-64	7/316	1300	1.5	30000	49	0.0	69	210/15	CLEAR	NONE	0.86	0.40	0.049	0.0222	0.0750	0.0060	0.0040	0.0005	NR
						5.0					1.29	0.36	0.045	0.0241	0.0735	0.0065	0.0045	0.0020	NP
						10.0					0.81	0.22	0.053	0.0176	0.0760	0.0150	0.0090	0.0060	NR
3-23-64	8/317	1320	1.7	30000	49	0.0	69	210/15	CLEAR	NONE	1.22	0.71	0.042	0.0271	0.0690	0.0070	0.0040	0.0025	NR
						5.0					1.07	0.80	0.043	0.0279	0.0680	0.0110	0.0085	0.0040	R
						10.0					0.84	0.28	0.041	0.0161	0.0740	0.0080	0.0045	0.0030	NR
3-24-64	1/318	700	1.5	30000	49	0.0	59	180/14	SCATD	NONE	1.37	0.52	0.043	0.0265	0.0750	0.0010	0.0005	0.0002	NP
						5.0					1.30	0.38	0.040	0.0225	0.0735	0.0060	0.0010	0.0005	N
						10.0					0.69	0.22	0.054	0.0153	0.0760	0.0080	0.0013	0.0010	NR
3-24-64	2/319	720	1.7	30000	49	0.0	59	180/14	SCATD	NONE	1.35	0.81	0.039	0.0259	0.0685	0.0065	0.0035	0.0015	NR
						5.0					1.52	0.78	0.039	0.0301	0.0670	0.0015	0.0010	0.0005	NP
						10.0					0.76	0.29	0.047	0.0131	0.0720	0.0110	0.0040	0.0025	NR
3-24-64	3/320	900	1.5	30000	49	0.0	65	200/18	BROKN	NONE	1.02	0.36	0.044	0.0186	0.0680	0.0050	0.0020	0.0010	NR
						5.0					1.32	0.42	0.044	0.0322	0.0690	0.0040	0.0030	0.0020	NP
						10.0					1.09	0.26	0.050	0.0210	0.0750	0.0090	0.0080	0.0070	NP
3-24-64	4/321	920	1.7	30000	49	0.0	65	200/18	BROKN	NONE	1.25	0.79	0.037	0.0226	0.0660	0.0130	0.0035	0.0010	NP
						5.0					2.30	0.85	0.037	0.0305	0.0685	0.0030	0.0015	0.0010	P
						10.0					1.02	0.31	0.042	0.0203	0.0710	0.0100	0.0060	0.0030	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-24-64	5/322	1106	1.5	30000	49	0.0	69	200/17	OVCST	NONE	0.80	0.68	0.047	0.0235	0.0740	0.0120	0.0060	0.0020	R
						5.0					0.66	0.39	0.050	0.0149	0.0730	0.0145	0.0120	0.0055	R
						10.0					1.30	0.30	0.034	0.0157	****	0.0105	0.0095	0.0090	P
3-24-64	6/323	1119	1.5	30000	49	0.0	69	200/17	OVCST	NONE	0.80	0.39	0.047	0.0215	0.0740	0.0060	0.0020	0.0010	NR
						5.0					1.10	0.33	0.045	0.0270	0.0750	0.0060	0.0025	0.0015	N
						10.0					0.26	0.14	0.068	0.0121	****	****	****	****	R
3-24-64	7/324	1301	1.7	30000	49	0.0	51	340/12	SCATD	H	1.07	0.43	0.040	0.0249	0.0685	0.0050	0.0020	0.0005	NR
						5.0					1.31	0.41	0.038	0.0284	0.0670	0.0045	0.0020	0.0005	N
						10.0					1.06	0.27	0.040	0.0208	0.0700	0.0055	0.0020	0.0015	NP
3-24-64	8/325	1320	1.7	30000	49	0.0	50	340/12	SCATD	H	0.84	0.63	0.046	0.0240	0.0715	0.0060	0.0030	0.0010	R
						5.0					1.14	0.69	0.039	0.0209	0.0700	0.0075	0.0030	0.0015	NR
						10.0					****	****	****	****	****	****	****	****	**
3-25-64	2/327	1100	1.7	30000	49	0.0	27	350/15	OVCST	-S	1.36	0.45	0.041	0.0242	0.0710	0.0020	0.0010	0.0005	NP
						5.0					1.25	****	0.042	0.0229	0.0710	0.0055	0.0035	0.0020	N
						10.0					0.49	****	0.051	0.0136	0.0730	0.0100	0.0060	0.0040	R
3-25-64	3/328	1119	1.7	30000	49	0.0	27	350/15	OVCST	-S	1.04	****	0.043	0.0215	0.0680	0.0065	0.0025	0.0015	NR
						5.0					1.05	****	0.042	0.0190	0.0675	0.0065	0.0045	0.0020	N
						10.0					0.39	****	0.052	0.0132	0.0720	0.0110	0.0055	0.0030	R
3-25-64	4/329	1300	1.7	30000	49	0.0	28	330/20	OVCST	NONE	1.04	****	0.041	0.0259	0.0670	0.0060	0.0035	0.0005	NR
						5.0					0.88	****	0.042	0.0187	0.0670	0.0070	0.0035	0.0025	N
						10.0					0.39	****	0.047	0.0103	0.0725	0.0160	0.0060	0.0040	R
3-25-64	5/330	1320	1.7	30000	49	0.0	28	330/20	OVCST	NONE	1.14	****	0.043	0.0256	0.0660	0.0020	0.0010	0.0005	N
						5.0					0.88	****	0.041	0.0224	0.0665	0.0070	0.0035	0.0015	NR
						10.0					0.85	****	0.040	0.0159	0.0730	0.0080	0.0050	0.0030	NR
3-26-64	1/331	700	1.5	30000	49	0.0	19	360/3	CLEAR	NONE	0.88	****	0.049	0.0252	0.0770	0.0050	0.0020	0.0005	R
						5.0					1.28	****	0.046	0.0256	0.0735	0.0010	0.0005	0.0003	N
						10.0					0.65	****	0.045	0.0161	0.0730	0.0050	0.0015	0.0005	NR
3-26-64	2/332	721	1.7	30000	49	0.0	19	360/3	CLEAR	NONE	1.24	****	0.040	0.0281	0.0720	0.0015	0.0010	0.0005	NP
						5.0					1.25	****	0.040	0.0304	0.0695	0.0085	0.0010	0.0008	N
						10.0					0.96	****	0.041	0.0201	0.0700	0.0050	0.0025	0.0005	N
3-26-64	3/333	900	1.7	30000	49	0.0	26	CALM	CLEAR	NONE	1.16	****	0.040	0.0262	0.0720	0.0060	0.0010	0.0005	NR
						5.0					1.04	****	0.039	0.0263	****	0.0050	0.0008	0.0005	NR
						10.0					0.96	****	0.041	0.0179	0.0710	0.0040	0.0010	0.0005	N
3-26-64	5/335	1100	1.5	30000	49	0.0	34	360/4	SCATD	* NONE	1.30	****	0.048	0.0276	0.0785	0.0065	0.0030	0.0020	NP
						5.0					1.28	****	0.042	0.0259	0.0750	0.0025	0.0013	0.0010	N
						10.0					1.20	****	0.040	0.0192	0.0760	0.0060	0.0040	0.0005	NP
3-26-64	6/336	1119	1.7	30000	49	0.0	34	360/4	SCATD	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.34	****	0.037	0.0259	0.0670	0.0055	0.0010	0.0005	NP
						10.0					0.93	****	0.040	0.0172	0.0700	0.0015	0.0008	0.0005	NR
3-26-64	7/337	1300	1.5	30000	49	0.0	43	200/10	SCATD	NONE	1.16	****	0.045	0.0294	0.0750	0.0070	0.0025	0.0010	NR
						5.0					0.96	****	0.042	0.0231	0.0700	0.0160	0.0020	0.0010	NR
						10.0					0.75	****	0.048	0.0166	0.0720	0.0050	0.0030	0.0020	NR
3-26-64	8/338	1320	1.7	30000	49	0.0	43	200/10	SCATD	NONE	1.56	****	0.040	0.0256	0.0730	0.0015	0.0010	0.0005	NP
						5.0					0.99	****	0.045	0.0380	0.0650	0.0100	0.0035	0.0020	NR
						10.0					2.35	****	0.039	0.0202	0.0700	0.0020	0.0018	0.0015	P
3-27-64	1/339	659	1.5	30000	49	0.0	33	110/7	BROKN	NONE	1.14	****	0.043	0.0255	0.0740	0.0050	0.0010	0.0005	NR
						5.0					1.26	****	0.042	0.0239	0.0715	0.0020	0.0010	0.0005	N
						10.0					1.07	****	0.040	0.0189	0.0730	0.0060	0.0015	0.0010	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-27-64	2/340	719	1.7	30000	49	0.0	33	110/7	BROKN	NONE	1.12	****	0.055	0.0280	0.0860	0.0050	0.0010	0.0005	NR
						5.0					0.79	****	0.049	0.0190	0.0830	0.0055	0.0010	0.0005	N
						10.0					0.81	****	0.058	0.0154	0.0830	0.0065	0.0040	0.0020	NR
3-27-64	3/341	900	1.7	30000	49	0.0	46	170/7	SCATD	NONE	0.89	****	0.042	0.0234	0.0650	0.0070	0.0030	0.0010	R
						5.0					1.59	****	0.039	0.0328	0.0655	0.0055	0.0030	0.0010	NP
						10.0					1.02	****	0.040	0.0223	0.0650	0.0060	0.0030	0.0010	NR
3-27-64	5/343	1101	1.5	30000	49	0.0	53	290/5	CLEAR	NONE	****	****	****	****	****	****	****	****	****
						5.0					1.42	****	0.042	0.0245	0.0680	0.0075	0.0025	0.0015	N
						10.0					0.86	****	0.044	0.0282	0.0690	0.0070	0.0030	0.0020	NR
3-27-64	6/344	1120	1.7	30000	49	0.0	53	290/5	CLEAR	NONE	****	****	****	****	****	****	****	****	****
						5.0					1.54	****	0.039	0.0311	0.0670	0.0060	0.0025	0.0010	N
						10.0					1.39	****	0.039	0.0278	0.0670	0.0085	0.0030	0.0020	P
3-27-64	7/345	1300	1.5	30000	49	0.0	59	170/4	SCATD	NONE	1.40	****	0.042	0.0271	0.0730	0.0050	0.0010	0.0005	NP
						5.0					1.20	****	0.041	0.0288	0.0700	0.0050	0.0025	0.0015	N
						10.0					2.15	****	0.034	0.0261	0.0720	0.0085	0.0070	0.0050	P
3-27-64	8/346	1321	1.7	30000	49	0.0	59	170/4	SCATD	NONE	1.33	****	0.038	0.0227	****	0.0020	0.0015	0.0010	NP
						5.0					1.56	****	0.040	0.0281	0.0670	0.0055	0.0020	0.0010	N
						10.0					1.07	****	0.042	0.0246	0.0660	0.0045	0.0020	0.0015	NR
3-28-64	1/347	700	1.5	30000	49	0.0	37	20/18	OVCST	F	1.03	****	0.040	0.0203	0.0735	0.0065	0.0045	0.0030	R
						5.0					1.04	****	0.046	0.0184	****	0.0170	0.0130	0.0110	C
						10.0					0.61	****	0.044	0.0132	****	0.0160	0.0130	0.0100	R
3-28-64	2/348	720	1.7	30000	49	0.0	37	20/18	OVCST	F	1.29	****	0.043	0.0279	0.0720	0.0020	0.0010	0.0005	NP
						5.0					0.78	****	0.042	0.0198	0.0670	0.0050	0.0035	0.0030	R
						10.0					0.46	****	0.048	0.0142	****	0.0070	0.0035	0.0020	R
3-28-64	3/349	900	1.5	30000	49	0.0	38	30/16	OBSCR	GF	0.99	****	0.045	0.0232	0.0780	0.0050	0.0015	0.0010	NR
						5.0					1.23	****	0.046	0.0241	0.0725	0.0055	0.0025	0.0015	N
						10.0					0.61	****	0.046	0.0158	0.0720	0.0080	0.0035	0.0025	NR
3-28-64	4/350	919	1.7	30000	49	0.0	38	30/16	OBSCR	GF	1.25	****	0.041	0.0266	0.0700	0.0045	0.0005	0.0002	NP
						5.0					1.71	****	0.039	0.0287	0.0670	0.0050	0.0025	0.0005	NP
						10.0					1.02	****	0.042	0.0206	0.0690	0.0085	0.0010	0.0005	N
3-28-64	5/351	1101	1.5	30000	49	0.0	47	50/10	CLEAR	NONE	1.25	****	0.044	0.0319	0.0780	0.0050	0.0020	0.0010	NR
						5.0					2.30	****	0.042	0.0292	0.0660	0.0065	0.0030	0.0025	P
						10.0					0.89	****	0.043	0.0158	0.0760	0.0030	0.0008	0.0005	N
3-28-64	6/352	1120	1.7	30000	49	0.0	47	50/10	CLEAR	NONE	0.96	****	0.043	0.0259	0.0700	0.0060	0.0010	0.0005	R
						5.0					1.43	****	0.038	0.0255	0.0660	0.0065	0.0030	0.0020	NP
						10.0					0.61	****	0.042	0.0128	0.0690	0.0130	0.0040	0.0010	R
3-28-64	7/353	1300	1.5	30000	49	0.0	52	50/10	CLEAR	NONE	1.21	****	0.048	0.0260	0.0750	0.0055	0.0035	0.0010	NR
						5.0					1.45	****	0.037	0.0269	0.0720	0.0060	0.0025	0.0020	N
						10.0					0.36	****	0.054	0.0094	****	0.0070	0.0035	0.0025	R
3-28-64	8/354	1319	1.7	30000	49	0.0	52	50/10	CLEAR	NONE	1.19	****	0.043	0.0256	0.0710	0.0050	0.0020	0.0010	NP
						5.0					0.68	****	0.047	0.0174	0.0680	0.0150	0.0040	0.0035	R
						10.0					0.83	****	0.046	0.0158	0.0700	0.0130	0.0060	0.0040	NR
3-30-64	1/355	659	1.5	30000	49	0.0	25	90/10	SCATD	NONE	0.95	****	0.048	0.0229	0.0780	0.0050	0.0010	0.0005	NR
						5.0					1.23	****	0.044	0.0295	0.0750	0.0045	0.0005	0.0002	N
						10.0					1.20	****	0.042	0.0218	0.0750	0.0050	0.0015	0.0005	N
3-30-64	2/356	719	1.7	30000	49	0.0	26	90/10	SCATD	NONE	0.77	****	0.047	0.0155	0.0740	0.0090	0.0030	0.0020	NR
						5.0					1.43	****	0.041	0.0324	0.0740	0.0035	0.0015	0.0005	N
						10.0					0.89	****	0.042	0.0195	0.0705	0.0050	0.0025	0.0005	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-30-64	3/357	900	1.5	30000	49	0.0	30	150/10	OVCST	NONE	1.10	****	0.047	0.0269	0.0745	0.0070	0.0035	0.0015	NR
						5.0					0.89	****	0.044	0.0226	0.0665	0.0100	0.0045	0.0030	NR
						10.0					0.56	****	0.049	0.0153	****	0.0100	0.0080	0.0045	R
3-30-64	4/358	920	1.7	30000	49	0.0	31	150/10	OVCST	NONE	1.01	****	0.044	0.0222	0.0710	0.0035	0.0015	0.0010	NR
						5.0					1.58	****	0.033	0.0246	0.0670	0.0040	0.0020	0.0015	NP
						10.0					0.74	****	0.050	0.0185	****	0.0175	0.0110	0.0090	R
3-30-64	5/359	1059	1.7	30000	49	0.0	32	210/5	OVCST	-ZR, -E	1.04	****	0.046	0.0255	****	0.0055	0.0025	0.0015	NR
						5.0					0.75	****	0.051	0.0185	****	0.0310	0.0190	0.0090	C
						10.0					0.25	****	0.060	0.0090	****	****	****	****	R
3-30-64	6/360	1120	1.7	30000	49	0.0	32	210/5	OVCST	-ZR, -E	0.54	****	0.049	0.0153	0.0700	0.0090	0.0060	0.0040	R
						5.0					1.17	****	0.059	0.0217	****	0.0320	0.0315	0.0100	C
						10.0					9.99	****	****	****	****	****	****	****	**
3-30-64	7/361	1300	1.7	30000	49	0.0	32	230/8	OVCST	NONE	1.76	****	0.043	0.0286	0.0725	0.0050	0.0020	0.0005	P
						5.0					0.75	****	0.050	0.0222	****	0.0170	0.0140	0.0110	**
						10.0					0.84	****	0.039	0.0147	0.0730	0.0080	0.0045	0.0030	NR
3-30-64	8/362	1320	1.7	30000	49	0.0	32	230/8	OVCST	NONE	0.66	****	0.054	0.0231	0.0720	0.0110	0.0070	0.0040	R
						5.0					0.65	****	0.054	0.0200	****	0.0120	0.0065	0.0055	**
						10.0					0.39	****	0.059	0.0131	****	0.0250	0.0160	0.0120	R
5-8-64	1/629	700	1.7	30000	49	0.0	69	180/12	OVCST	NONE	1.00	****	0.046	0.0234	0.0720	0.0045	0.0015	0.0005	NR
						5.0					1.92	****	0.041	0.0289	0.0725	0.0045	0.0003	0.0001	P
						10.0					1.40	****	0.045	0.0227	0.0730	0.0055	0.0035	0.0020	P
5-8-64	2/630	721	1.7	30000	49	0.0	69	180/12	OVCST	NONE	1.04	****	0.045	0.0239	0.0750	0.0055	0.0025	0.0015	N
						5.0					0.95	****	0.049	0.0201	0.0770	0.0125	0.0012	0.0010	**
						10.0					0.61	****	0.053	0.0217	****	0.0175	0.0055	0.0010	R
5-8-64	3/631	901	1.5	30000	49	0.0	74	220/20	SCATD	NONE	1.49	****	0.045	0.0289	0.0740	0.0055	0.0035	0.0020	NP
						5.0					2.78	****	0.036	****	0.0760	0.0020	0.0010	0.0005	P
						10.0					1.70	****	0.028	0.0178	0.0780	0.0055	0.0030	0.0020	P
5-8-64	4/632	919	1.7	30000	49	0.0	71	220/20	SCATD	NONE	1.00	****	0.043	0.0248	0.0670	0.0055	0.0030	0.0005	NR
						5.0					0.73	****	0.049	0.0193	0.0665	0.0170	0.0115	0.0065	R
						10.0					0.69	****	0.052	0.0228	0.0720	0.0120	0.0050	0.0040	R
5-8-64	5/633	1100	1.5	30000	49	0.0	75	260/20	SCATD	NONE	0.93	****	0.044	0.0211	0.0720	0.0050	0.0015	0.0010	NR
						5.0					1.35	****	0.047	0.0259	0.0730	0.0040	0.0020	0.0020	N
						10.0					1.00	****	0.061	0.0167	****	0.0160	0.0140	0.0125	**
5-8-64	6/634	1120	1.7	30000	49	0.0	76	260/20	SCATD	NONE	1.93	****	0.042	0.0251	0.0660	0.0040	0.0025	0.0020	P
						5.0					1.68	****	0.042	****	0.0680	0.0040	0.0030	0.0020	NP
						10.0					1.12	****	0.055	0.0282	****	0.0260	0.0190	0.0155	**
5-8-64	7/635	1259	1.5	30000	49	0.0	78	240/22	OVCST	NONE	0.75	****	0.056	0.0193	0.0725	0.0070	0.0050	0.0020	R
						5.0					1.47	****	0.047	0.0299	0.0775	0.0055	0.0040	0.0030	NP
						10.0					0.82	****	0.058	0.0214	****	0.0200	0.0145	0.0110	**
5-8-64	8/636	1319	1.7	30000	49	0.0	78	240/22	OVCST	NONE	0.75	****	0.051	0.0221	0.0690	0.0150	0.0080	0.0040	R
						5.0					0.90	****	0.057	0.0303	0.0710	0.0140	0.0095	0.0040	**
						10.0					0.36	****	0.070	0.0147	****	****	****	****	**
5-9-64	1/637	700	1.5	30000	49	0.0	57	140/6	OVCST	NONE	1.04	****	0.047	0.0216	0.0715	0.0050	0.0010	0.0005	N
						5.0					1.08	****	0.046	0.0306	0.0730	0.0040	0.0010	0.0005	NR
						10.0					0.91	****	0.046	0.0219	0.0740	0.0050	0.0010	0.0005	N
5-9-64	2/638	719	1.7	30000	49	0.0	57	140/6	OVCST	NONE	1.32	****	0.041	0.0251	0.0680	0.0050	0.0010	0.0005	N
						5.0					1.02	****	0.043	0.0254	0.0675	0.0060	0.0015	0.0005	NR
						10.0					1.09	****	0.040	0.0234	0.0700	0.0055	0.0025	0.0010	N

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-9-64	3/639	859	1.5	30000	49	0.0	67	130/17	BROKN	NONE	1.16	****	0.046	0.0251	0.0750	0.0055	0.0025	0.0020	N
						5.0					1.34	****	0.046	0.0299	0.0750	0.0070	0.0035	0.0010	NP
						10.0					1.67	****	0.052	0.0241	0.0820	0.0050	0.0030	0.0010	P
5-9-64	4/640	919	1.7	30000	49	0.0	67	130/17	BROKN	NONE	1.16	****	0.044	0.0242	0.0750	0.0050	0.0020	0.0015	N
						5.0					0.90	****	0.050	0.0287	0.0735	0.0065	0.0030	0.0010	R
						10.0					0.93	****	0.053	0.0197	0.0750	0.0070	0.0040	0.0035	N
5-9-64	5/641	1100	1.5	30000	49	0.0	74	120/13	BROKN	NONE	0.86	****	0.045	0.0205	0.0700	0.0055	0.0025	0.0010	NR
						5.0					1.31	****	0.038	0.0289	0.0745	0.0140	0.0035	0.0010	NR
						10.0					0.75	****	0.059	0.0246	0.0780	0.0210	0.0160	0.0090	R
5-9-64	6/642	1259	1.5	30000	49	0.0	78	140/8	BROKN	NONE	0.86	****	0.052	0.0229	0.0730	0.0190	0.0075	0.0050	R
						5.0					1.58	****	0.041	0.0318	0.0750	0.0075	0.0030	0.0005	NP
						10.0					0.86	****	0.048	0.0201	0.0755	0.0100	0.0080	0.0060	N
5-9-64	7/643	1320	1.7	30000	49	0.0	78	140/8	BROKN	NONE	1.19	****	0.045	0.0263	0.0700	0.0065	0.0045	0.0020	NR
						5.0					1.02	****	0.042	0.0290	0.0670	0.0120	0.0055	0.0030	NR
						10.0					1.19	****	0.034	0.0199	0.0730	0.0100	0.0040	0.0030	NP
5-10-64	1/644	700	1.5	30000	49	0.0	63	140/10	OVCST	NONE	0.53	****	0.053	0.0152	****	0.0175	0.0060	0.0025	R
						5.0					0.86	****	0.046	0.0262	****	****	****	****	**
						10.0					2.04	****	0.041	0.0130	****	****	****	0.0000	P
5-10-64	2/645	720	1.7	30000	49	0.0	63	140/10	OVCST	NONE	1.02	****	0.048	0.0207	0.0660	0.0050	0.0030	0.0005	NR
						5.0					2.41	****	0.039	0.0266	****	****	****	****	P
						10.0					0.42	****	0.050	0.0131	****	0.0170	0.0065	****	**
5-10-64	3/646	859	1.7	30000	49	0.0	66	120/12	BROKN	NONE	0.49	****	0.054	0.0151	****	****	****	****	R
						5.0					0.39	****	0.052	0.0151	****	0.0100	0.0045	0.0035	**
						10.0					0.42	****	0.060	0.0106	****	****	****	0.0055	**
5-10-64	4/647	919	1.5	30000	49	0.0	66	120/12	BROKN	NONE	1.34	****	0.079	0.0316	****	****	****	****	C
						5.0					0.76	****	0.055	0.0260	****	0.0130	0.0085	0.0080	**
						10.0					1.04	****	0.078	0.0256	****	****	****	****	**
5-11-64	1/648	700	1.7	30000	49	0.0	57	290/10	SCATD	NONE	1.02	****	0.038	0.0202	0.0700	0.0040	0.0010	0.0005	N
						5.0					1.08	****	0.042	0.0266	0.0700	0.0050	0.0025	0.0010	N
						10.0					0.85	****	0.042	0.0193	0.0715	0.0070	0.0025	****	N
5-11-64	2/649	719	1.7	30000	49	0.0	57	290/10	SCATD	NONE	1.11	****	0.041	0.0251	0.0700	0.0060	0.0035	0.0015	NR
						5.0					1.23	****	0.040	0.0191	0.0700	0.0035	0.0030	0.0010	NP
						10.0					0.87	****	0.036	0.0131	0.0710	0.0075	0.0055	0.0015	NR
5-11-64	3/650	859	1.7	30000	49	0.0	59	330/12	OVCST	NONE	0.93	****	0.043	0.0275	0.0670	0.0040	0.0015	0.0010	NR
						5.0					1.15	****	0.042	0.0284	0.0680	0.0040	0.0010	0.0005	N
						10.0					0.82	****	0.044	0.0220	0.0690	0.0085	0.0040	0.0030	NR
5-11-64	4/651	919	1.7	30000	49	0.0	59	330/12	OVCST	NONE	1.06	****	0.041	0.0230	0.0650	0.0050	0.0015	0.0005	NR
						5.0					1.32	****	0.040	0.0230	0.0730	0.0015	0.0010	0.0005	NP
						10.0					1.11	****	0.039	0.0208	0.0695	0.0070	0.0040	0.0025	P
5-11-64	5/652	1059	1.7	30000	49	0.0	62	320/10	OVCST	NONE	1.02	****	0.042	0.0241	0.0750	0.0055	0.0025	0.0015	N
						5.0					1.02	****	0.041	0.0241	0.0665	0.0040	0.0015	0.0005	N
						10.0					0.55	****	0.049	0.0125	0.0730	0.0140	0.0020	0.0020	NR
5-11-64	6/653	1300	1.5	30000	49	0.0	67	320/10	SCATD	NONE	1.14	****	0.044	0.0295	0.0750	0.0045	0.0010	0.0005	N
						5.0					1.37	****	0.042	0.0208	0.0740	0.0050	0.0025	0.0010	NP
						10.0					0.59	****	0.056	0.0189	0.0770	0.0170	0.0040	0.0015	NR
5-11-64	7/654	1320	1.7	30000	49	0.0	67	320/10	SCATD	NONE	1.40	****	0.041	0.0254	0.0730	0.0040	0.0010	0.0005	P
						5.0					0.98	****	0.042	0.0251	0.0705	0.0060	0.0008	0.0005	NR
						10.0					0.66	****	0.050	0.0169	0.0730	0.0100	0.0040	0.0010	NR

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-12-64	1/655	700	1.5	30000	49	0.0	57	340/10	OVCST	-RW	0.65	****	0.051	0.0242	0.0730	0.0020	0.0120	0.0070	R
						5.0					0.42	****	0.058	0.0144	****	0.0270	0.0155	0.0050	R
						10.0					0.35	****	0.076	0.0147	****	0.0330	0.0300	0.0015	**
5-12-64	2/656	720	1.7	30000	49	0.0	57	340/10	OVCST	-RW	0.54	****	0.048	0.0139	0.0730	0.0095	0.0055	0.0035	R
						5.0					0.58	****	0.052	0.0127	0.0720	0.0090	0.0070	0.0045	R
						10.0					0.58	****	0.043	0.0128	0.0740	0.0080	0.0050	0.0120	NR
5-12-64	3/657	859	1.5	30000	49	0.0	55	340/15	OVCST	NONE	0.83	****	0.047	0.0243	0.0760	0.0130	0.0010	0.0005	R
						5.0					1.11	****	0.046	0.0270	0.0755	0.0130	0.0045	0.0020	NR
						10.0					0.54	****	0.058	0.0150	****	0.0390	0.0100	0.0035	**
5-12-64	4/658	920	1.5	30000	49	0.0	55	340/15	OVCST	NONE	0.92	****	0.048	0.0234	0.0770	0.0040	0.0008	0.0005	NR
						5.0					0.92	****	0.044	0.0186	0.0745	0.0055	0.0035	0.0025	NR
						10.0					9.99	****	****	****	****	****	****	0.0070	**
5-12-64	5/659	1059	1.5	30000	49	0.0	60	340/18	BROKN	NONE	1.07	****	0.052	0.0184	0.0780	0.0060	0.0020	0.0010	R
						5.0					0.83	****	0.050	0.0237	0.0800	0.0060	0.0020	0.0005	R
						10.0					1.01	****	0.052	0.0172	0.0750	0.0095	0.0065	****	NP
5-12-64	6/660	1119	1.7	30000	49	0.0	60	340/18	BROKN	NONE	1.16	****	0.045	0.0262	0.0765	0.0025	0.0020	0.0010	NR
						5.0					1.09	****	0.051	0.0208	0.0780	0.0105	0.0080	0.0065	NR
						10.0					0.66	****	0.053	0.0128	0.0720	0.0115	0.0060	0.0050	R
5-12-64	7/661	1300	1.5	30000	49	0.0	65	330/17	SCATD	NONE	1.21	****	0.048	0.0281	0.0770	0.0055	0.0040	0.0010	NR
						5.0					1.41	****	0.045	0.0283	0.0730	0.0125	0.0105	0.0045	C
						10.0					0.33	****	0.063	0.0147	****	0.0210	0.0085	0.0030	R
5-12-64	8/662	1320	1.7	30000	49	0.0	65	330/17	SCATD	NONE	1.10	****	0.044	0.0218	0.0680	0.0070	0.0040	0.0015	R
						5.0					1.16	****	0.038	0.0244	****	0.0165	0.0115	0.0045	C
						10.0					0.47	****	0.056	0.0142	0.0690	0.0120	0.0060	0.0045	NR
5-14-64	1/663	700	1.5	30000	49	0.0	58	150/11	BROKN	NONE	0.79	****	0.046	0.0227	0.0790	0.0060	0.0030	0.0010	R
						5.0					1.01	****	0.051	0.0212	0.0780	0.0050	0.0010	0.0005	N
						10.0					0.50	****	0.049	0.0182	0.0760	0.0065	0.0020	0.0050	NR
5-14-64	2/664	720	1.7	30000	49	0.0	58	150/11	BROKN	NONE	0.97	****	0.045	0.0228	0.0785	0.0045	0.0010	0.0005	NR
						5.0					1.14	****	0.048	0.0194	0.0740	0.0035	0.0005	0.0002	NP
						10.0					0.85	****	0.045	0.0165	0.0770	0.0060	0.0035	0.0015	N
5-14-64	3/665	900	1.5	30000	49	0.0	62	160/12	OVCST	NONE	0.92	****	0.053	0.0214	0.0810	0.0100	0.0070	0.0040	NR
						5.0					0.96	****	0.055	0.0247	0.0780	0.0050	0.0020	0.0015	N
						10.0					0.74	****	0.050	0.0160	0.0765	0.0060	0.0035	0.0020	N
5-14-64	4/666	920	1.7	30000	49	0.0	62	160/12	OVCST	NONE	1.80	****	0.042	0.0196	0.0740	0.0020	0.0010	0.0005	P
						5.0					1.64	****	0.038	0.0279	0.0730	0.0050	0.0002	0.0001	NP
						10.0					1.28	****	0.038	0.0193	0.0730	0.0055	0.0040	0.0020	NR
5-14-64	5/667	1100	1.5	30000	49	0.0	71	160/15	OVCST	NONE	0.79	****	0.052	0.0237	0.0770	0.0090	0.0045	0.0020	R
						5.0					0.58	****	0.059	0.0206	0.0715	0.0080	0.0040	0.0025	NR
						10.0					0.54	****	0.068	0.0146	****	0.0055	0.0040	0.0025	NR
5-14-64	6/668	1122	1.7	30000	49	0.0	71	160/15	OVCST	NONE	1.05	****	0.045	0.0268	0.0720	0.0045	0.0035	0.0010	NR
						5.0					0.94	****	0.039	0.0211	0.0685	0.0045	0.0015	0.0010	N
						10.0					1.08	****	0.052	0.0190	0.0720	0.0065	0.0040	0.0025	NP
5-14-64	7/669	1300	1.5	30000	49	0.0	77	160/15	BROKN	NONE	1.12	****	0.049	0.0261	0.0770	0.0055	0.0030	0.0010	NR
						5.0					0.81	****	0.059	0.0205	0.0740	0.0130	0.0100	0.0060	NR
						10.0					0.70	****	0.053	0.0205	****	0.0230	0.0185	0.0060	NR
5-14-64	8/670	1320	1.7	30000	49	0.0	77	160/15	BROKN	NONE	1.40	****	0.037	0.0225	0.0680	0.0065	0.0045	0.0035	NP
						5.0					0.47	****	0.049	0.0125	****	0.0175	0.0055	0.0040	**
						10.0					0.28	****	****	****	****	****	****	****	**

TABLE V.- SUMMARY OF SONIC-BOOM FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 30,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-15-64	1/671	1100	1.7	30000	49	0.0	69	190/15	OVCST	NONE	1.18	****	0.044	0.0237	****	0.0090	0.0070	0.0060	NR
						5.0					0.73	****	0.054	0.0144	****	****	****	****	**
						10.0					0.76	****	0.060	0.0143	****	0.0285	0.0240	0.0205	R
5-15-64	2/672	1120	1.7	30000	49	0.0	69	190/15	OVCST	NONE	0.92	****	0.043	0.0224	0.0650	0.0140	0.0085	0.0050	R
						5.0					0.32	****	0.061	0.0134	****	****	****	****	**
						10.0					0.15	****	0.060	0.0055	****	****	****	****	R
5-15-64	3/673	1259	1.7	30000	49	0.0	68	170/24	OVCST	-RW	1.64	****	0.042	0.0290	0.0700	0.0040	0.0025	0.0005	P
						5.0					0.94	****	0.045	****	****	0.0080	0.0045	0.0010	R
						10.0					0.76	****	0.060	0.0214	0.0770	0.0160	0.0110	0.0085	NR
5-16-64	1/675	700	1.5	30000	49	0.0	63	160/12	SCATD	NONE	0.99	****	0.048	0.0235	0.0800	0.0055	0.0025	0.0015	NR
						5.0					1.29	****	0.044	0.0238	0.0810	0.0050	0.0015	0.0010	NP
						10.0					0.88	****	0.049	0.0175	0.0820	0.0045	0.0020	0.0015	N
5-16-64	2/676	719	1.7	30000	49	0.0	63	160/12	SCATD	NONE	0.79	****	0.051	0.0225	0.0800	0.0025	0.0010	0.0005	N
						5.0					0.92	****	0.046	0.0242	0.0790	0.0070	0.0010	0.0005	NR
						10.0					0.81	****	0.049	0.0173	0.0780	0.0075	0.0030	0.0020	NR
5-16-64	3/677	900	1.5	30000	49	0.0	73	200/12	SCATD	NONE	1.08	****	0.053	0.0292	0.0825	0.0055	0.0005	0.0002	N
						5.0					1.39	****	0.053	0.0259	0.0820	0.0035	0.0020	0.0010	N
						10.0					0.50	****	0.056	0.0155	0.0830	0.0095	0.0035	0.0030	R
5-16-64	4/678	920	1.7	30000	49	0.0	73	200/12	SCATD	NONE	1.08	****	0.042	0.0236	0.0735	0.0050	0.0010	0.0005	N
						5.0					1.41	****	0.040	****	****	****	****	****	N
						10.0					0.70	****	0.052	0.0211	0.0750	0.0065	0.0035	0.0015	NR
3-9-64	3/218	900	1.5	29000	49	0.0	30	390/14	OVCST	F	0.77	0.35	0.048	0.0208	0.0760	0.0060	0.0055	0.0040	NR
						5.0					0.69	0.27	0.050	0.0179	0.0745	0.0060	0.0045	0.0040	NR
						10.0					0.25	0.14	0.072	0.0102	****	****	****	****	R

TABLE VI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 29,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-9-64	4/219	920	1.7	29000	49	0.0	30	390/14	OVCST	F	0.98	0.35	0.047	0.0181	0.0710	0.0040	0.0035	0.0030	NP
						5.0					0.43	0.16	0.067	0.0158	****	0.0540	0.0460	0.0350	**
						10.0					0.24	0.10	0.091	0.0078	****	****	****	****	R
3-10-64	1/220	700	1.5	29000	49	0.0	26	160/9	CLEAR	NONE	1.15	0.46	****	****	****	****	****	****	**
						5.0					1.24	0.40	0.040	0.0276	0.0730	0.0060	0.0015	0.0010	N
						10.0					0.88	0.26	0.047	0.0175	0.0760	0.0055	0.0015	0.0005	NR
3-10-64	2/221	720	1.7	29000	49	0.0	27	160/9	CLEAR	NONE	1.31	0.41	****	****	****	****	****	****	**
						5.0					1.08	0.38	0.037	0.0238	0.0685	0.0065	0.0020	0.0015	N
						10.0					0.64	0.19	0.046	0.0155	0.0720	0.0080	0.0030	0.0015	NR
3-10-64	3/222	900	1.5	29000	49	0.0	35	160/14	CLEAR	NONE	1.31	0.56	****	****	****	****	****	****	**
						5.0					0.96	0.39	0.043	0.0222	0.0725	0.0075	0.0025	0.0015	NR
						10.0					0.66	0.23	0.052	0.0165	0.0790	0.0060	0.0030	0.0020	NR
3-10-64	4/223	920	1.7	29000	49	0.0	36	160/14	CLEAR	NONE	1.25	0.41	****	****	****	****	****	****	**
						5.0					1.26	0.46	0.041	0.0262	0.0680	0.0025	0.0015	0.0010	NP
						10.0					0.75	0.20	0.046	0.0161	0.0700	0.0050	0.0013	0.0010	N
3-10-64	5/224	1100	1.5	29000	49	0.0	46	140/22	SCATD	NONE	1.12	0.41	0.046	0.0262	0.0740	0.0060	0.0015	0.0010	N
						5.0					1.31	0.46	0.042	0.0284	0.0715	0.0100	0.0070	0.0030	NP
						10.0					0.62	0.21	0.053	0.0189	0.0715	0.0155	0.0080	0.0030	NR
3-10-64	6/225	1120	1.7	29000	49	0.0	47	140/22	SCATD	NONE	1.73	0.38	0.043	0.0251	0.0680	0.0085	0.0045	0.0025	P
						5.0					1.25	0.49	0.042	0.0271	0.0660	0.0045	0.0035	0.0030	NP
						10.0					1.21	0.26	0.041	0.0211	0.0710	0.0090	0.0060	0.0030	NP
3-10-64	7/226	1300	1.5	29000	49	0.0	53	170/20	CLEAR	NONE	0.83	0.41	0.051	0.0232	0.0750	0.0035	0.0020	0.0015	NR
						5.0					0.92	0.38	0.047	0.0251	0.0710	0.0120	0.0030	0.0010	NR
						10.0					1.07	0.26	0.045	0.0198	0.0735	0.0110	0.0065	0.0050	NP
3-10-64	8/227	1320	1.7	29000	49	0.0	54	170/20	CLEAR	NONE	1.44	0.46	0.045	0.0292	0.0690	0.0055	0.0050	0.0015	P
						5.0					1.20	0.36	0.036	0.0227	0.0635	0.0060	0.0050	0.0040	N
						10.0					0.57	0.23	0.052	0.0170	****	0.0150	0.0075	0.0065	R
3-11-64	1/228	700	1.5	29000	49	0.0	37	330/16	OVCST	NONE	1.43	0.49	0.043	0.0243	0.0700	0.0045	0.0008	0.0005	NP
						5.0					0.82	0.32	0.047	0.0226	0.0720	0.0125	0.0060	0.0020	R
						10.0					0.71	0.19	0.039	0.0159	****	0.0170	0.0140	0.0120	**
3-11-64	2/229	719	1.7	29000	49	0.0	37	330/16	OVCST	NONE	0.88	0.44	0.046	0.0251	0.0680	****	****	****	R
						5.0					1.04	0.42	0.044	0.0279	0.0685	0.0110	0.0055	0.0025	R
						10.0					0.75	0.22	0.043	0.0164	0.0710	0.0110	0.0085	0.0060	NR
3-11-64	3/230	900	1.5	29000	49	0.0	41	330/18	OVCST	NONE	1.20	0.44	0.044	0.0259	0.0750	0.0025	0.0010	0.0005	N
						5.0					0.87	0.31	0.057	0.0212	0.0745	0.0155	0.0085	0.0055	R
						10.0					0.34	0.14	0.056	0.0110	****	0.0200	0.0105	0.0080	**
3-11-64	4/231	920	1.7	29000	49	0.0	42	330/18	OVCST	NONE	1.41	0.42	0.040	0.0294	0.0680	0.0040	0.0015	0.0010	NP
						5.0					1.63	0.49	0.035	0.0308	0.0660	0.0095	0.0030	0.0025	P
						10.0					1.11	0.26	0.053	0.0211	0.0700	0.0140	0.0100	0.0030	NP
3-11-64	5/232	1100	1.5	29000	49	0.0	48	320/23	CLEAR	NONE	1.67	0.48	0.042	0.0263	0.0765	0.0010	0.0008	0.0005	P
						5.0					1.71	0.44	0.040	0.0292	0.0700	0.0065	0.0015	0.0010	NP
						10.0					0.47	0.21	0.060	0.0155	0.0725	0.0090	0.0070	0.0050	NR
3-11-64	6/233	1120	1.7	29000	49	0.0	49	320/23	CLEAR	NONE	1.14	0.45	0.042	0.0202	0.0725	0.0050	0.0010	0.0005	N
						5.0					0.99	0.43	0.052	0.0321	0.0675	0.0160	0.0075	0.0045	R
						10.0					1.13	0.29	0.042	0.0220	0.0685	0.0070	0.0040	0.0020	NP
3-11-64	7/234	1300	1.5	29000	49	0.0	54	320/20	CLEAR	NONE	0.66	0.35	0.047	0.0206	0.0750	0.0070	0.0025	0.0020	NR
						5.0					1.06	0.38	0.046	0.0249	0.0730	0.0105	0.0060	0.0040	NR
						10.0					0.46	0.19	0.054	0.0168	0.0720	0.0190	0.0070	0.0045	R

TABLE VI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 29,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-11-64	8/235	1320	1.7	29000	49	0.0	54	320/20	CLEAR	NONE	0.82	0.38	0.052	0.0252	0.0670	0.0300	0.0160	0.0050	R
						5.0					1.44	0.45	0.044	0.0327	****	0.0240	0.0140	0.0090	C
						10.0					1.07	0.33	0.045	0.0288	0.0690	0.0160	0.0060	0.0050	NP
3-12-64	1/236	700	1.5	29000	49	0.0	31	160/10	CLEAR	NONE	1.30	0.49	0.044	0.0244	0.0770	0.0050	0.0010	0.0005	NP
						5.0					0.97	0.38	0.041	0.0229	0.0730	0.0060	0.0015	0.0010	N
						10.0					1.07	0.26	0.048	0.0188	0.0770	0.0055	0.0008	0.0005	NP
3-12-64	2/237	720	1.7	29000	49	0.0	33	160/10	CLEAR	NONE	1.09	0.47	0.042	0.0229	0.0690	0.0050	0.0020	0.0005	N
						5.0					1.16	0.39	0.041	0.0249	0.0750	0.0115	****	****	N
						10.0					0.88	0.25	0.049	0.0187	0.0720	0.0050	0.0015	0.0010	NR
3-12-64	3/238	900	1.5	29000	49	0.0	47	160/14	CLEAR	NONE	1.30	0.49	0.043	0.0256	0.0770	0.0050	0.0015	0.0005	N
						5.0					1.21	0.37	0.045	0.0277	0.0740	0.0015	0.0005	0.0001	N
						10.0					0.82	0.26	0.051	0.0195	0.0770	0.0065	0.0050	0.0020	NR
3-12-64	4/239	920	1.7	29000	49	0.0	49	160/14	CLEAR	NONE	1.44	0.45	0.042	0.0239	0.0710	0.0020	0.0015	0.0010	NP
						5.0					1.21	0.44	0.040	0.0297	0.0710	0.0055	0.0005	0.0001	N
						10.0					0.84	0.24	0.050	0.0207	0.0725	0.0085	0.0030	0.0025	NR
3-12-64	5/240	1100	1.5	29000	49	0.0	59	180/17	CLEAR	NONE	0.89	0.48	0.047	0.0211	0.0750	0.0055	0.0020	0.0010	NR
						5.0					1.26	0.39	0.048	0.0312	0.0745	0.0060	0.0020	0.0005	N
						10.0					1.10	0.30	0.048	0.0220	0.0735	0.0035	0.0015	0.0010	NP
3-12-64	6/241	1119	1.7	29000	49	0.0	60	180/17	CLEAR	NONE	0.94	0.44	0.046	0.0191	0.0735	0.0065	0.0015	0.0010	NR
						5.0					1.49	0.40	0.040	0.0250	0.0710	0.0015	0.0010	0.0005	NP
						10.0					1.81	0.31	0.044	0.0256	0.0750	0.0070	0.0050	0.0015	P
3-12-64	7/242	1300	1.5	29000	49	0.0	65	180/16	CLEAR	NONE	1.19	0.44	0.047	0.0228	0.0750	0.0055	0.0030	0.0010	NP
						5.0					1.15	0.46	0.047	0.0319	0.0730	0.0100	0.0040	0.0030	NR
						10.0					1.00	0.36	0.054	0.0270	0.0750	0.0100	0.0070	0.0050	NP
3-12-64	8/243	1320	1.7	29000	49	0.0	65	180/16	CLEAR	NONE	1.16	0.44	0.039	0.0207	0.0700	0.0040	0.0010	0.0005	NP
						5.0					1.43	0.47	0.043	0.0347	0.0685	0.0070	0.0030	0.0020	N
						10.0					1.42	0.32	0.044	0.0237	0.0710	0.0085	0.0030	0.0020	P
3-13-64	1/244	700	1.5	29000	49	0.0	48	160/13	BROKN	NONE	0.92	0.60	0.046	0.0269	0.0760	0.0100	0.0030	0.0015	NR
						5.0					1.20	0.37	0.045	0.0278	0.0740	0.0035	0.0015	0.0010	N
						10.0					0.78	0.30	0.040	0.0188	0.0770	0.0085	0.0040	0.0030	NR
3-13-64	2/245	720	1.7	29000	49	0.0	49	160/13	BROKN	NONE	1.80	0.41	0.039	0.0207	0.0700	0.0025	0.0020	0.0005	P
						5.0					0.87	0.33	0.041	0.0217	0.0695	0.0090	0.0030	0.0020	NR
						10.0					0.64	0.19	0.050	0.0156	0.0760	0.0060	0.0025	0.0015	NR
3-13-64	3/246	900	1.5	29000	49	0.0	55	190/20	SCATD	NONE	1.04	0.39	0.043	0.0239	0.0715	0.0040	0.0005	0.0002	N
						5.0					1.70	0.40	0.037	0.0283	0.0700	0.0045	0.0010	0.0010	P
						10.0					0.54	0.22	0.051	0.0174	0.0750	0.0120	0.0070	0.0040	NR
3-13-64	4/247	920	1.7	29000	49	0.0	56	190/20	SCATD	NONE	1.31	0.34	0.046	0.0250	0.0685	0.0065	0.0040	0.0010	NP
						5.0					****	****	****	****	****	****	****	****	****
						10.0					0.33	0.17	0.062	0.0157	0.0750	0.0200	0.0030	0.0020	R
3-13-64	5/248	1100	1.5	29000	49	0.0	62	200/24	SCATD	NONE	1.25	0.46	0.046	0.0255	0.0735	0.0130	0.0115	0.0035	P
						5.0					1.64	0.37	0.044	0.0260	0.0735	0.0030	0.0030	0.0025	P
						10.0					0.90	0.26	0.048	0.0197	0.0760	0.0125	0.0040	0.0030	NR
3-13-64	6/249	1121	1.7	29000	49	0.0	63	200/24	SCATD	NONE	0.82	0.41	0.046	0.0220	0.0685	0.0040	0.0020	0.0010	NR
						5.0					1.49	0.39	0.045	0.0310	0.0700	0.0100	0.0050	0.0030	P
						10.0					1.10	0.27	0.044	0.0211	0.0720	0.0020	0.0010	0.0005	P
3-13-64	7/250	1301	1.5	29000	49	0.0	70	190/20	SCATD	NONE	1.00	0.53	0.043	0.0231	0.0740	0.0035	0.0025	0.0015	N
						5.0					0.66	0.28	0.047	0.0218	0.0760	0.0055	0.0030	0.0020	R
						10.0					1.08	0.26	0.054	0.0187	0.0770	0.0100	0.0080	0.0065	P

TABLE VI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 29,000 FEET - continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-13-64	8/251	1320	1.7	29000	49	0.0	71	190/20	SCATD	NONE	1.38	0.42	0.039	0.0249	0.0675	0.0060	0.0040	0.0020	NP
						5.0					1.15	0.38	0.046	0.0255	0.0685	0.0120	0.0055	0.0010	NR
						10.0					0.78	0.32	0.060	0.0246	****	0.0360	0.0200	0.0080	C
3-14-64	1/252	701	1.5	29000	49	0.0	44	360/11	SCATD	NONE	1.16	0.41	0.044	0.0231	0.0730	0.0055	0.0020	0.0005	N
						5.0					1.88	0.36	0.030	0.0241	0.0720	0.0030	0.0015	0.0010	P
						10.0					0.57	0.19	0.056	0.0152	0.0745	0.0100	0.0060	0.0035	R
3-14-64	2/253	719	1.7	29000	49	0.0	44	360/11	SCATD	NONE	1.38	0.39	0.037	0.0224	0.0640	0.0045	0.0010	0.0001	NP
						5.0					1.48	0.46	0.039	0.0309	0.0660	0.0050	0.0008	0.0005	N
						10.0					1.19	0.27	0.042	0.0204	0.0680	0.0050	0.0020	0.0008	NP
3-14-64	3/254	900	1.5	29000	49	0.0	49	360/12	BROKN	NONE	1.09	0.38	0.040	0.0240	0.0715	0.0055	0.0015	0.0005	N
						5.0					0.89	0.30	0.045	0.0249	0.0700	0.0055	0.0015	0.0010	NR
						10.0					0.78	0.24	0.054	0.0178	****	0.0145	0.0100	0.0075	NR
3-14-64	4/255	920	1.7	29000	49	0.0	50	360/12	BROKN	NONE	1.16	0.40	0.037	0.0215	0.0675	0.0080	0.0040	0.0020	NR
						5.0					1.34	0.41	0.041	0.0292	0.0700	0.0045	0.0015	0.0010	NP
						10.0					1.12	0.26	0.052	0.0223	0.0700	0.0125	0.0060	0.0040	NP
3-14-64	5/256	1100	1.5	29000	49	0.0	51	10/12	BROKN	NONE	1.33	0.44	0.041	0.0285	0.0740	0.0050	0.0030	0.0020	N
						5.0					1.13	0.34	0.042	0.0219	0.0725	0.0085	0.0065	0.0035	NP
						10.0					0.40	0.16	0.061	0.0139	****	0.0220	0.0130	0.0080	R
3-14-64	6/257	1119	1.7	29000	49	0.0	52	10/12	BROKN	NONE	0.75	0.38	0.042	0.0197	0.0655	0.0100	0.0030	0.0010	R
						5.0					2.25	0.45	0.037	0.0298	0.0700	0.0030	0.0025	0.0020	P
						10.0					0.87	0.22	0.046	0.0189	0.0680	0.0075	0.0013	0.0010	NR
3-14-64	7/258	1259	1.5	29000	49	0.0	57	20/16	SCATD	NONE	2.24	0.50	0.038	0.0260	0.0700	0.0045	0.0020	0.0015	P
						5.0					2.10	0.48	0.038	0.0300	0.0710	0.0050	0.0040	0.0035	P
						10.0					2.03	0.36	0.029	0.0282	0.0745	0.0080	0.0060	0.0040	P
3-14-64	8/259	1320	1.7	29000	49	0.0	58	20/16	SCATD	NONE	0.78	0.39	0.044	0.0183	0.0655	0.0085	0.0065	0.0040	R
						5.0					1.69	0.47	0.043	0.0334	0.0680	0.0060	0.0045	0.0035	P
						10.0					****	****	****	****	****	****	****	****	**
3-17-64	1/273	700	1.5	29000	49	0.0	34	310/8	CLEAR	NONE	1.17	0.45	0.044	0.0262	0.0770	0.0050	0.0005	0.0002	N
						5.0					0.99	0.38	0.042	0.0274	0.0750	0.0070	0.0020	0.0010	NR
						10.0					0.55	0.21	****	****	****	****	****	****	**
3-17-64	2/274	719	1.7	29000	49	0.0	35	310/8	CLEAR	NONE	0.95	0.39	0.044	0.0228	0.0740	0.0050	0.0015	0.0005	N
						5.0					1.47	0.42	0.037	0.0259	0.0750	0.0055	0.0010	0.0005	NP
						10.0					1.01	0.30	****	****	****	****	****	****	**
3-17-64	3/275	900	1.5	29000	49	0.0	49	310/3	CLEAR	NONE	1.48	0.64	0.042	0.0286	0.0815	0.0050	0.0005	0.0002	N
						5.0					0.99	0.38	0.051	0.0259	0.0805	0.0045	0.0015	0.0010	N
						10.0					0.59	0.19	0.046	0.0103	0.0810	0.0025	0.0010	0.0005	N
3-17-64	4/276	919	1.7	29000	49	0.0	51	310/3	CLEAR	NONE	0.97	0.45	0.042	0.0201	0.0735	0.0050	0.0015	0.0005	N
						5.0					1.29	0.41	0.041	0.0274	0.0735	0.0060	0.0020	0.0010	N
						10.0					0.72	0.24	0.044	0.0144	0.0730	0.0055	0.0020	0.0010	NR
3-18-64	1/281	700	1.5	29000	49	0.0	46	150/10	SCATD	NONE	1.18	0.50	0.044	0.0197	0.0750	0.0045	0.0005	0.0003	N
						5.0					1.42	0.50	0.046	0.0338	0.0780	0.0060	0.0010	0.0005	N
						10.0					1.08	0.33	0.041	0.0221	0.0780	0.0050	0.0015	0.0005	N
3-18-64	2/282	720	1.7	29000	49	0.0	47	150/10	SCATD	NONE	1.14	0.50	0.042	0.0244	0.0720	0.0055	0.0015	0.0005	NR
						5.0					1.31	0.48	0.037	0.0256	0.0715	0.0050	0.0010	0.0008	N
						10.0					0.74	0.22	0.044	0.0152	0.0730	0.0055	0.0015	0.0010	N
3-20-64	4/292	922	1.5	29000	49	0.0	32	310/30	OVCST	-S	0.79	0.28	0.045	0.0205	0.0670	0.0060	0.0020	0.0015	R
						5.0					0.98	0.32	0.029	0.0188	0.0700	0.0060	0.0020	0.0010	R
						10.0					0.66	0.17	0.051	0.0136	0.0770	0.0155	0.0110	0.0080	R

TABLE VI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 29,000 FEET - concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-21-64	7/301	1320	1.7	29000	49	0.0	43	10/8	CLEAR	NONE	1.10	0.47	0.046	0.0266	0.0700	0.0055	0.0030	0.0015	NR
						5.0					1.39	0.44	0.039	0.0264	0.0685	0.0075	0.0045	0.0040	NP
						10.0					0.85	0.27	0.051	0.0224	0.0760	0.0130	0.0070	0.0050	NR
3-31-64	1/363	700	1.5	29000	49	0.0	36	210/10	OVCST	NONE	0.99	****	0.048	0.0273	0.0780	0.0050	0.0010	0.0005	NR
						5.0					1.17	****	0.045	0.0258	0.0755	0.0060	0.0040	0.0030	N
						10.0					****	****	****	****	****	****	****	****	**
3-31-64	2/364	719	1.7	29000	49	0.0	38	210/10	OVCST	NONE	1.24	****	0.042	0.0249	0.0720	0.0050	0.0005	0.0002	N
						5.0					1.31	****	0.040	0.0253	0.0685	0.0060	0.0025	0.0010	N
						10.0					****	****	****	****	****	****	****	****	**
3-31-64	3/365	900	1.5	29000	49	0.0	47	200/8	OVCST	NONE	1.22	****	0.045	0.0274	0.0740	0.0045	0.0008	0.0005	N
						5.0					1.35	****	0.044	0.0303	0.0710	0.0060	0.0025	0.0015	N
						10.0					****	****	****	****	****	****	****	****	**
3-31-64	4/366	920	1.8	29000	49	0.0	49	200/8	OVCST	NONE	1.06	****	0.044	0.0269	0.0730	0.0045	0.0005	0.0005	NR
						5.0					1.20	****	0.038	0.0246	0.0675	0.0055	0.0020	0.0010	NR
						10.0					****	****	****	****	****	****	****	****	**
3-31-64	5/367	1100	1.5	29000	49	0.0	60	200/12	OVCST	NONE	1.03	****	0.048	0.0269	0.0800	0.0040	0.0003	0.0002	NR
						5.0					1.22	****	0.044	0.0233	0.0760	0.0050	0.0010	0.0005	N
						10.0					****	****	****	****	****	****	****	****	**
3-31-64	6/368	1119	1.7	29000	49	0.0	62	200/12	OVCST	NONE	1.20	****	0.046	0.0287	0.0760	0.0055	0.0015	0.0005	N
						5.0					0.90	****	0.040	0.0200	0.0715	0.0080	0.0030	0.0020	NR
						10.0					0.94	****	0.046	0.0174	0.0760	0.0080	0.0050	0.0020	NP
3-31-64	7/369	1300	1.5	29000	49	0.0	71	220/10	BROKN	NONE	1.14	****	0.052	0.0229	0.0815	0.0060	0.0035	0.0015	NR
						5.0					1.23	****	0.047	0.0283	0.0775	0.0045	0.0025	0.0015	NP
						10.0					0.79	****	0.052	0.0198	0.0760	0.0120	0.0055	0.0020	NR
3-31-64	8/370	1319	1.7	29000	49	0.0	73	220/10	BROKN	NONE	1.03	****	0.051	0.0232	0.0790	0.0050	0.0015	0.0010	NR
						5.0					2.10	****	0.044	0.0264	0.0725	0.0020	0.0008	0.0005	P
						10.0					1.42	****	0.051	0.0217	0.0735	0.0105	0.0090	0.0040	NP

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-17-64	5/277	1101	1.5	28000	49	0.0	59	CALM	CLEAR	NONE	1.09	0.51	0.048	0.0219	0.0800	0.0055	0.0020	0.0010	NR
						5.0					1.16	0.40	0.052	0.0278	0.0790	0.0065	0.0025	0.0020	N
						10.0					0.55	0.25	0.050	0.0145	0.0780	0.0070	0.0015	0.0010	NR
3-17-64	6/278	1120	1.7	28000	49	0.0	71	CALM	CLEAR	NONE	1.11	0.55	0.043	0.0229	0.0765	0.0055	0.0025	0.0010	N
						5.0					2.04	0.42	0.039	0.0270	0.0750	0.0040	0.0005	0.0002	NP
						10.0					1.04	0.27	0.044	0.0190	0.0760	0.0080	0.0050	0.0020	NP
3-17-64	7/279	1300	1.5	28000	49	0.0	66	180/4	CLEAR	NONE	1.07	0.74	0.049	0.0248	0.0800	0.0095	****	****	NR
						5.0					1.10	0.42	0.043	0.0286	0.0760	0.0120	0.0050	0.0020	NR
						10.0					0.55	0.22	0.050	0.0145	0.0770	0.0150	0.0070	0.0035	R
3-17-64	8/280	1320	1.7	28000	49	0.0	66	180/4	CLEAR	NONE	1.23	0.55	0.041	0.0228	0.0700	0.0015	0.0010	0.0005	N
						5.0					1.18	0.41	0.039	0.0245	0.0700	0.0050	0.0045	0.0025	N
						10.0					0.77	0.22	0.044	0.0159	0.0745	0.0070	0.0035	0.0030	NR
3-18-64	3/283	900	1.5	28000	49	0.0	58	150/12	SCATD	NONE	1.02	0.59	0.043	0.0231	0.0780	0.0050	0.0008	0.0005	N
						5.0					1.17	0.42	0.042	0.0245	0.0765	0.0015	0.0013	0.0010	N
						10.0					1.08	0.27	0.049	0.0184	0.0800	0.0030	0.0020	0.0010	NP
4-1-64	1/371	700	1.5	28000	49	0.0	59	200/15	BROKN	NONE	1.31	****	0.045	0.0264	0.0740	0.0065	0.0020	0.0005	N
						5.0					1.09	****	0.045	0.0209	0.0745	0.0045	0.0035	0.0020	N
						10.0					1.02	****	0.044	0.0145	0.0810	0.0065	0.0035	0.0020	NP
4-1-64	2/372	719	1.7	28000	49	0.0	60	200/15	BROKN	NONE	1.82	****	0.043	0.0271	0.0725	0.0025	0.0015	0.0005	NP
						5.0					1.20	****	0.040	0.0202	0.0700	****	****	****	NP
						10.0					1.18	****	0.042	0.0158	0.0760	0.0050	0.0045	0.0025	P
4-1-64	3/373	900	1.5	28000	49	0.0	63	200/23	BROKN	NONE	1.19	****	0.049	0.0241	0.0735	0.0045	0.0030	0.0015	N
						5.0					1.35	****	0.043	0.0256	0.0740	0.0015	0.0010	0.0008	N
						10.0					1.18	****	0.042	0.0270	0.0740	0.0050	0.0030	0.0025	NP
4-1-64	4/374	921	1.7	28000	49	0.0	64	200/23	BROKN	NONE	1.10	****	0.049	0.0240	0.0750	0.0050	0.0015	0.0010	N
						5.0					1.16	****	0.040	0.0282	0.0710	0.0160	0.0085	0.0035	NR
						10.0					0.33	****	0.061	0.0137	****	****	****	****	R
4-1-64	5/375	1059	1.5	28000	49	0.0	70	190/20	SCATD	NONE	1.21	****	0.047	0.0268	0.0745	0.0045	0.0015	0.0010	N
						5.0					0.98	****	0.050	0.0293	0.0730	0.0070	0.0045	0.0025	NR
						10.0					0.51	****	0.064	0.0181	****	0.0180	0.0125	0.0045	R
4-1-64	6/376	1120	1.7	28000	49	0.0	71	190/20	SCATD	NONE	1.21	****	0.043	0.0252	0.0700	0.0040	0.0010	0.0005	N
						5.0					1.11	****	0.041	0.0254	0.0675	0.0120	0.0075	0.0055	NR
						10.0					0.76	****	0.048	0.0153	0.0720	0.0055	0.0015	0.0010	NR
4-1-64	7/377	1259	1.5	28000	49	0.0	76	190/21	SCATD	NONE	1.44	****	0.047	0.0321	0.0770	0.0085	0.0030	0.0010	NR
						5.0					1.92	****	0.040	0.0324	0.0780	0.0045	0.0035	0.0030	P
						10.0					1.07	****	0.050	0.0176	0.0800	0.0105	0.0090	0.0075	NP
4-1-64	8/378	1320	1.7	28000	49	0.0	76	190/21	SCATD	NONE	0.81	****	0.052	0.0227	0.0700	0.0030	0.0015	0.0010	R
						5.0					0.92	****	0.049	0.0182	0.0720	0.0055	0.0025	0.0020	NR
						10.0					0.49	****	0.054	0.0157	****	0.0170	0.0120	0.0090	R
4-2-64	1/379	659	1.5	28000	49	0.0	64	210/20	CLEAR	NONE	0.95	****	0.042	0.0252	0.0725	0.0055	0.0025	0.0015	NR
						5.0					0.94	****	0.045	0.0180	0.0690	0.0120	0.0045	0.0025	R
						10.0					0.59	****	0.054	0.0159	****	0.0170	0.0050	0.0020	R
4-2-64	2/380	720	1.7	28000	49	0.0	65	210/20	CLEAR	NONE	1.10	****	0.043	0.0304	0.0690	0.0050	0.0015	0.0005	N
						5.0					1.59	****	0.038	0.0269	0.0670	0.0090	0.0055	0.0040	R
						10.0					0.80	****	0.050	0.0186	0.0730	0.0075	0.0050	0.0040	N
4-2-64	3/381	859	1.7	28000	49	0.0	69	230/30	CLEAR	NONE	1.14	****	0.043	0.0275	0.0660	0.0050	0.0020	0.0015	N
						5.0					1.74	****	0.040	0.0269	0.0650	0.0055	0.0050	0.0045	NP
						10.0					0.69	****	0.053	0.0155	0.0720	0.0055	0.0045	0.0035	NP

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-2-64	4/382	919	1.7	28000	49	0.0	70	230/30	CLEAR	NONE	1.17	****	0.043	0.0226	0.0670	0.0045	0.0020	0.0015	N
						5.0					1.46	****	0.040	0.0346	0.0670	0.0115	0.0030	0.0020	C
						10.0					1.70	****	0.032	0.0326	0.0720	0.0090	0.0070	0.0060	P
4-3-64	1/383	659	1.5	28000	49	0.0	59	120/8	BROKN	GF	1.56	****	0.041	0.0259	0.0770	0.0045	0.0010	0.0005	NP
						5.0					1.12	****	0.039	0.0201	0.0740	0.0045	0.0040	0.0015	C
						10.0					0.64	****	0.060	0.0111	****	0.0270	0.0230	0.0200	C
4-3-64	2/384	720	1.7	28000	49	0.0	61	120/8	BROKN	GF	1.03	****	0.042	0.0233	0.0690	0.0055	0.0020	0.0010	NR
						5.0					0.93	****	0.039	0.0235	0.0680	0.0080	0.0005	0.0002	NR
						10.0					1.04	****	0.042	0.0211	****	0.0240	0.0200	0.0150	C
4-3-64	3/385	900	1.5	28000	49	0.0	61	350/6	BROKN	NONE	1.30	****	0.044	0.0230	0.0740	0.0050	0.0020	0.0005	N
						5.0					1.08	****	0.039	0.0189	0.0740	0.0090	0.0060	0.0055	NR
						10.0					1.33	****	0.034	0.0108	0.0780	0.0030	0.0020	0.0020	NP
4-3-64	4/386	925	1.7	28000	49	0.0	61	350/6	BROKN	NONE	1.09	****	0.043	0.0227	0.0710	0.0045	0.0008	0.0005	NR
						5.0					0.90	****	0.041	0.0183	0.0700	0.0075	0.0020	0.0010	NR
						10.0					1.00	****	0.040	0.0218	0.0740	0.0015	0.0005	0.0003	N
4-3-64	5/387	1059	1.7	28000	49	0.0	69	30/7	SCATD	NONE	0.97	****	0.044	0.0248	0.0680	0.0055	0.0015	0.0005	NR
						5.0					1.68	****	0.038	0.0286	0.0690	0.0060	0.0050	0.0025	NP
						10.0					0.79	****	0.048	0.0139	0.0750	0.0150	0.0035	0.0030	NR
4-3-64	6/388	1120	1.7	28000	49	0.0	70	30/7	SCATD	NONE	1.26	****	0.043	0.0219	0.0700	0.0045	0.0020	0.0015	N
						5.0					1.12	****	0.038	0.0292	0.0675	0.0080	0.0020	0.0015	N
						10.0					0.55	****	0.050	0.0188	****	0.0140	0.0050	0.0040	R
4-3-64	7/389	1300	1.5	28000	49	0.0	78	90/16	BROKN	NONE	1.35	****	0.047	0.0255	0.0770	0.0050	0.0030	0.0020	NP
						5.0					0.80	****	0.053	0.0213	0.0755	0.0080	0.0060	0.0030	R
						10.0					0.76	****	0.055	0.0139	0.0750	0.0090	0.0060	0.0045	NR
4-3-64	8/390	1320	1.7	28000	49	0.0	76	90/16	BROKN	NONE	0.76	****	0.048	0.0201	0.0740	0.0060	0.0035	0.0020	R
						5.0					0.93	****	0.049	0.0221	0.0780	0.0150	0.0090	0.0075	R
						10.0					1.77	****	0.038	0.0208	0.0790	0.0100	0.0050	0.0040	P
4-5-64	1/391	659	1.7	28000	49	0.0	42	320/6	OVCST	NONE	1.54	****	0.041	0.0233	0.0665	0.0080	0.0060	0.0040	NP
						5.0					0.92	****	0.039	0.0202	0.0680	0.0060	0.0010	0.0005	NR
						10.0					0.25	****	0.071	0.0118	****	0.0230	0.0160	0.0120	R
4-5-64	2/392	720	1.7	28000	49	0.0	42	320/6	OVCST	NONE	1.04	****	0.044	0.0196	0.0670	0.0050	0.0005	0.0002	NR
						5.0					1.60	****	0.037	0.0279	0.0690	0.0015	0.0010	0.0005	NP
						10.0					0.67	****	0.049	0.0139	0.0760	0.0060	0.0030	0.0020	NR
4-5-64	3/393	859	1.7	28000	49	0.0	43	190/5	OVCST	NONE	0.92	****	0.044	0.0243	0.0685	0.0050	0.0008	0.0005	NR
						5.0					0.84	****	0.046	0.0226	0.0670	0.0090	0.0050	0.0030	NR
						10.0					0.64	****	0.051	0.0144	0.0730	0.0060	0.0035	0.0020	NR
4-5-64	4/394	919	1.7	28000	49	0.0	44	190/5	OVCST	NONE	1.04	****	0.044	0.0304	0.0660	0.0050	0.0015	0.0005	NR
						5.0					1.18	****	0.037	0.0254	0.0675	0.0055	0.0030	0.0010	NR
						10.0					0.74	****	0.038	0.0198	0.0720	0.0030	0.0025	0.0020	NR
4-5-64	5/395	1100	1.5	28000	49	0.0	52	200/14	SCATD	NONE	0.69	****	0.055	0.0249	****	0.0220	0.0100	0.0070	R
						5.0					0.67	****	0.047	0.0196	****	0.0150	0.0105	0.0090	R
						10.0					0.80	****	0.046	0.0181	0.0800	0.0170	0.0100	0.0060	NR
4-5-64	6/396	1118	1.7	28000	49	0.0	54	200/14	SCATD	NONE	1.94	****	0.034	0.0261	0.0660	0.0035	0.0020	0.0010	P
						5.0					1.01	****	0.038	0.0274	0.0660	0.0080	0.0020	0.0010	R
						10.0					0.74	****	0.044	0.0155	0.0700	0.0075	0.0065	0.0040	NP
4-5-64	7/397	1259	1.5	28000	49	0.0	62	210/18	BROKN	NONE	0.90	****	0.051	0.0277	****	0.0200	0.0140	0.0060	R
						5.0					1.11	****	0.034	0.0237	****	0.0170	0.0075	0.0050	R
						10.0					0.45	****	0.065	0.0183	****	0.0340	0.0230	0.0070	R

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-5-64	8/398	1319	1.7	28000	49	0.0	63	210/18	BROKN	NONE	2.27	****	0.040	0.0366	0.0680	0.0035	0.0010	0.0005	P
						5.0					1.13	****	0.042	0.0288	0.0700	0.0150	0.0050	0.0035	NR
						10.0					1.04	****	0.038	0.0177	0.0710	0.0115	0.0090	0.0070	P
4-6-64	1/399	659	1.5	28000	49	0.0	48	180/8	CLEAR	NONE	1.11	****	0.043	0.0205	0.0715	0.0040	0.0010	0.0005	N
						5.0					1.43	****	0.042	0.0294	0.0700	0.0075	0.0035	0.0020	N
						10.0					1.02	****	0.040	0.0166	0.0720	0.0100	0.0050	0.0040	NP
4-6-64	2/400	719	1.7	28000	49	0.0	49	180/8	CLEAR	NONE	1.29	****	0.039	0.0231	0.0660	0.0035	0.0008	0.0005	N
						5.0					1.14	****	0.040	0.0248	0.0650	0.0035	0.0008	0.0005	N
						10.0					1.08	****	0.039	0.0143	0.0675	0.0040	0.0010	0.0005	NP
4-6-64	3/401	900	1.5	28000	49	0.0	60	210/17	CLEAR	NONE	0.96	****	0.041	0.0209	0.0700	0.0050	0.0015	0.0005	NR
						5.0					2.25	****	0.040	0.0352	0.0700	0.0003	0.0001	0.0001	NP
						10.0					1.17	****	0.041	0.0217	0.0720	0.0090	0.0050	0.0030	NP
4-6-64	4/402	919	1.7	28000	49	0.0	62	210/17	CLEAR	NONE	1.32	****	0.040	0.0264	0.0650	0.0060	0.0030	0.0015	NR
						5.0					1.24	****	0.038	0.0240	0.0620	0.0095	0.0040	0.0010	NR
						10.0					0.65	****	0.046	0.0176	0.0665	0.0080	0.0050	0.0025	NR
4-6-64	5/403	1100	1.5	28000	49	0.0	71	210/16	BROKN	NONE	0.96	****	0.045	0.0235	0.0730	0.0080	0.0035	0.0020	NR
						5.0					1.91	****	0.037	0.0275	0.0690	0.0045	0.0020	0.0015	NP
						10.0					1.26	****	0.031	0.0215	0.0720	0.0090	0.0055	0.0005	NP
4-6-64	6/404	1119	1.7	28000	49	0.0	72	210/16	BROKN	NONE	1.11	****	0.042	0.0226	0.0680	0.0055	0.0020	0.0015	NR
						5.0					1.41	****	0.038	0.0258	0.0625	0.0065	0.0050	0.0035	NP
						10.0					0.59	****	0.043	0.0138	0.0670	0.0060	0.0030	0.0020	NR
4-6-64	7/405	1300	1.5	28000	49	0.0	76	220/25	BROKN	NONE	0.77	****	0.047	0.0212	0.0700	0.0105	0.0060	0.0045	R
						5.0					0.53	****	0.058	0.0163	****	****	****	****	**
						10.0					0.79	****	0.051	0.0171	****	0.0150	0.0130	0.0115	NR
4-6-64	8/406	1318	1.7	28000	49	0.0	77	220/25	BROKN	NONE	1.27	****	0.042	0.0213	0.0690	0.0040	0.0030	0.0015	NP
						5.0					1.28	****	0.039	0.0250	0.0670	0.0120	0.0090	0.0060	N
						10.0					1.06	****	0.048	0.0132	****	0.0150	0.0100	0.0090	P
4-7-64	1/407	659	1.5	28000	49	0.0	41	360/18	OVCST	NONE	1.40	****	0.040	0.0270	0.0710	0.0045	0.0015	0.0005	N
						5.0					1.98	****	0.040	0.0267	0.0690	0.0010	0.0005	0.0001	NP
						10.0					0.55	****	0.051	0.0140	0.0730	0.0100	0.0030	0.0020	R
4-7-64	2/408	719	1.7	28000	49	0.0	41	360/18	OVCST	NONE	1.58	****	0.040	0.0249	0.0670	0.0055	0.0008	0.0005	N
						5.0					0.99	****	0.038	0.0228	0.0655	0.0115	0.0045	0.0025	R
						10.0					0.86	****	0.049	0.0197	0.0730	0.0080	0.0040	0.0020	NR
4-7-64	3/409	859	1.5	28000	49	0.0	43	360/20	OVCST	NONE	1.17	****	0.046	0.0274	0.0730	0.0070	0.0025	0.0010	NR
						5.0					1.06	****	0.037	0.0273	0.0735	0.0110	0.0045	0.0015	R
						10.0					0.82	****	0.040	0.0177	0.0745	0.0075	0.0060	0.0045	NR
4-7-64	4/410	919	1.7	28000	49	0.0	43	360/20	OVCST	NONE	1.15	****	0.042	0.0244	0.0690	0.0080	0.0040	0.0015	NR
						5.0					1.75	****	0.036	0.0354	0.0680	0.0060	0.0040	0.0025	N
						10.0					0.94	****	0.036	0.0173	0.0720	0.0100	0.0055	0.0035	NP
4-7-64	5/411	1059	1.5	28000	49	0.0	47	20/20	SCATD	NONE	1.11	****	0.044	0.0259	0.0730	0.0050	0.0010	0.0005	NR
						5.0					1.94	****	0.028	0.0262	0.0710	0.0040	0.0035	0.0025	NP
						10.0					2.54	****	0.031	0.0241	0.0760	0.0040	0.0030	0.0025	P
4-7-64	6/412	1120	1.7	28000	49	0.0	48	20/20	SCATD	NONE	1.48	****	0.043	0.0241	0.0730	0.0075	0.0040	0.0030	NP
						5.0					1.91	****	0.040	0.0327	0.0680	0.0090	0.0060	0.0030	NP
						10.0					1.48	****	0.038	0.0245	0.0735	0.0050	0.0035	0.0020	P
4-7-64	7/413	1301	1.5	28000	49	0.0	50	20/20	SCATD	NONE	1.65	****	0.044	0.0252	0.0710	0.0025	0.0015	0.0010	NP
						5.0					1.47	****	0.041	0.0243	0.0700	0.0085	0.0025	0.0020	NR
						10.0					1.15	****	0.051	0.0205	0.0800	0.0070	0.0025	0.0015	NP

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-7-64	8/414	1319	1.7	28000	49	0.0	50	20/20	SCATD	NONE	1.73	****	0.040	0.0175	0.0670	0.0080	0.0035	0.0025	NP
						5.0					1.33	****	0.042	0.0274	0.0650	0.0050	0.0030	0.0010	N
						10.0					0.83	****	0.057	0.0193	0.0710	0.0170	0.0080	0.0060	NR
4-8-64	1/415	700	1.5	28000	49	0.0	33	360/10	CLEAR	NONE	1.09	****	0.041	0.0231	0.0695	0.0055	0.0020	0.0010	NE
						5.0					1.16	****	0.036	0.0285	0.0660	0.0065	0.0015	0.0005	N
						10.0					0.62	****	0.041	0.0151	0.0650	0.0085	0.0045	0.0020	NR
4-8-64	2/416	721	1.7	28000	49	0.0	34	360/10	CLEAR	NONE	1.25	****	0.039	0.0210	0.0720	0.0045	0.0020	0.0015	N
						5.0					1.35	****	0.041	0.0340	0.0650	0.0050	0.0008	0.0005	N
						10.0					1.13	****	0.032	0.0207	0.0690	0.0060	0.0030	0.0010	NP
4-8-64	3/417	900	1.5	28000	49	0.0	39	10/15	CLEAR	NONE	1.27	****	0.044	0.0259	0.0750	0.0065	0.0020	0.0010	NR
						5.0					1.33	****	0.042	0.0319	0.0680	0.0050	0.0030	0.0015	NR
						10.0					1.08	****	0.040	0.0187	0.0740	0.0090	0.0055	0.0040	NP
4-8-64	4/418	919	1.7	28000	49	0.0	40	10/15	CLEAR	NONE	0.86	****	0.041	0.0222	0.0700	0.0055	0.0030	0.0010	R
						5.0					1.39	****	0.040	0.0293	0.0660	0.0055	0.0025	0.0010	NP
						10.0					1.04	****	0.042	0.0246	0.0700	0.0110	0.0060	0.0040	NR
4-8-64	5/419	1100	1.5	28000	49	0.0	45	20/10	CLEAR	NONE	1.23	0.73	0.044	0.0259	0.0720	0.0030	0.0015	0.0010	NR
						5.0					1.14	****	0.042	0.0269	0.0685	0.0120	0.0070	0.0040	NR
						10.0					0.84	****	0.034	0.0179	0.0770	0.0230	0.0060	0.0040	R
4-8-64	6/420	1119	1.7	28000	49	0.0	46	20/10	CLEAR	NONE	1.00	0.84	0.045	0.0263	0.0720	0.0110	0.0020	0.0015	NR
						5.0					1.77	****	0.039	0.0282	0.0700	0.0080	0.0070	0.0060	NP
						10.0					0.87	****	0.049	0.0159	****	0.0150	0.0120	0.0110	C
4-8-64	7/421	1300	1.5	28000	49	0.0	50	340/13	CLEAR	NONE	1.59	0.90	0.040	0.0275	0.0720	0.0050	0.0020	0.0010	NP
						5.0					1.66	****	0.040	0.0274	0.0670	0.0060	0.0045	0.0030	NP
						10.0					0.83	****	0.038	0.0198	0.0730	0.0100	0.0060	0.0030	NR
4-8-64	8/422	1320	1.7	28000	49	0.0	51	340/13	CLEAR	NONE	1.38	0.83	0.042	0.0269	0.0710	0.0070	0.0045	0.0030	NP
						5.0					1.28	****	0.040	0.0279	0.0650	0.0115	0.0055	0.0030	NR
						10.0					1.05	****	0.053	0.0284	****	0.0230	0.0210	0.0140	C
4-9-64	1/423	700	1.5	28000	49	0.0	37	180/7	CLEAR	NONE	1.40	0.93	0.043	0.0304	****	****	****	****	NR
						5.0					1.05	****	0.040	0.0273	0.0690	0.0075	0.0008	0.0005	N
						10.0					0.83	****	0.048	0.0192	0.0710	0.0060	0.0015	0.0010	N
4-9-64	2/424	719	1.7	28000	49	0.0	39	180/7	CLEAR	NONE	1.48	0.86	0.041	0.0277	0.0690	0.0050	0.0020	0.0010	NP
						5.0					1.37	****	0.039	0.0292	0.0655	0.0045	0.0005	0.0003	N
						10.0					0.91	****	0.038	0.0172	0.0700	0.0040	0.0008	0.0005	N
4-9-64	3/425	900	1.5	28000	49	0.0	52	200/10	CLEAR	NONE	1.17	0.92	0.043	0.0232	0.0735	0.0055	0.0015	0.0010	N
						5.0					2.35	****	0.038	0.0298	0.0720	0.0008	0.0005	0.0002	NP
						10.0					1.04	****	0.040	0.0173	0.0760	0.0055	0.0008	0.0005	NP
4-9-64	4/426	920	1.5	28000	49	0.0	53	200/10	CLEAR	NONE	1.31	0.79	0.046	0.0250	0.0750	0.0050	0.0020	0.0010	N
						5.0					1.14	****	0.045	0.0251	0.0730	0.0065	0.0010	0.0005	N
						10.0					****	****	****	****	****	****	****	****	****
4-9-64	5/427	1100	1.5	28000	49	0.0	58	210/15	CLEAR	NONE	1.75	0.89	0.042	0.0333	0.0730	0.0065	0.0025	0.0020	NP
						5.0					2.31	****	0.042	0.0304	0.0715	0.0055	0.0010	0.0005	NP
						10.0					0.72	****	0.045	0.0190	0.0740	0.0070	0.0055	0.0040	NR
4-9-64	6/428	1119	1.7	28000	49	0.0	60	210/15	CLEAR	NONE	1.01	0.74	0.040	0.0219	0.0655	0.0055	0.0010	0.0005	NR
						5.0					1.62	****	0.040	0.0304	0.0670	0.0030	0.0015	0.0005	NP
						10.0					1.06	****	0.038	0.0198	0.0680	0.0025	0.0020	0.0010	N
4-9-64	7/429	1300	1.5	28000	49	0.0	63	220/13	CLEAR	NONE	1.13	0.82	0.045	0.0254	0.0750	0.0060	0.0010	0.0005	NR
						5.0					2.56	****	0.030	0.0269	0.0725	0.0065	0.0060	0.0040	P
						10.0					0.31	****	0.062	0.0137	****	0.0180	0.0055	0.0015	R

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-9-64	8/430	1320	1.5	28000	49	0.0	64	220/13	CLEAR	NONE	0.90	0.77	0.052	0.0248	0.0760	0.0125	0.0030	0.0020	R
						5.0					1.14	****	0.049	0.0229	0.0720	0.0110	0.0035	0.0020	NR
						10.0					0.54	****	0.054	0.0107	****	0.0090	0.0065	0.0060	**
4-10-64	1/431	700	1.5	28000	49	0.0	47	190/10	SCATD	NONE	1.12	0.53	0.047	0.0234	0.0760	0.0055	0.0020	0.0005	NR
						5.0					1.47	****	0.052	0.0298	0.0770	0.0065	0.0030	0.0001	NR
						10.0					0.78	****	0.046	0.0192	0.0770	0.0070	0.0020	0.0010	N
4-10-64	2/432	720	1.5	28000	49	0.0	49	190/10	SCATD	NONE	1.35	0.57	0.043	0.0247	0.0780	0.0045	0.0015	0.0010	NP
						5.0					1.49	****	0.044	0.0287	0.0740	0.0025	0.0015	0.0010	N
						10.0					0.87	****	0.050	0.0193	0.0790	0.0070	0.0020	0.0010	NR
4-10-64	3/433	900	1.5	28000	49	0.0	60	180/15	CLEAR	NONE	1.14	0.63	0.050	0.0247	0.0780	0.0085	0.0010	0.0025	NR
						5.0					1.41	****	0.046	0.0281	0.0745	0.0045	0.0005	0.0003	N
						10.0					1.70	****	0.039	0.0258	0.0800	0.0030	0.0015	0.0010	P
4-10-64	4/434	919	1.5	28000	49	0.0	62	190/15	CLEAR	NONE	0.93	0.51	0.051	0.0209	0.0780	0.0075	0.0020	0.0010	R
						5.0					2.15	****	0.044	0.0355	0.0740	0.0035	0.0015	0.0010	NP
						10.0					1.13	****	0.051	0.0253	0.0770	0.0100	0.0060	0.0025	NP
4-10-64	5/435	1100	1.5	28000	49	0.0	68	200/20	CLEAR	NONE	0.97	0.42	0.051	0.0184	0.0770	0.0070	0.0050	0.0045	NR
						5.0					1.53	****	0.048	0.0357	0.0740	0.0055	0.0015	0.0010	NR
						10.0					0.51	****	0.056	0.0146	0.0760	0.0140	0.0025	0.0015	R
4-10-64	6/436	1119	1.5	28000	49	0.0	69	200/20	CLEAR	NONE	0.85	0.46	0.050	0.0198	0.0770	0.0055	0.0040	0.0015	NR
						5.0					1.98	****	0.030	0.0312	0.0760	0.0070	0.0035	0.0025	NP
						10.0					1.24	****	0.046	0.0176	0.0750	0.0050	0.0035	0.0025	NP
4-11-64	4/442	1100	1.5	28000	49	0.0	62	180/18	OVCST	NONE	1.80	0.75	0.050	0.0293	0.0740	0.0100	0.0085	0.0060	**
						5.0					1.21	****	0.054	0.0234	****	0.0080	0.0065	0.0055	**
						10.0					1.32	****	0.059	0.0234	****	0.0090	0.0055	0.0040	P
4-11-64	5/443	1119	1.5	28000	49	0.0	64	180/18	OVCST	NONE	1.03	0.75	0.045	0.0273	0.0765	0.0050	0.0030	0.0015	NR
						5.0					1.08	****	0.054	0.0214	0.0730	0.0120	0.0090	0.0055	**
						10.0					0.72	****	0.048	0.0147	0.0740	0.0080	0.0060	0.0035	NR
4-11-64	6/444	1300	1.5	28000	49	0.0	71	180/16	BROKN	NONE	1.10	0.74	0.046	0.0223	****	****	****	****	NR
						5.0					1.31	****	0.048	0.0274	0.0735	0.0120	0.0070	0.0065	NR
						10.0					0.85	****	0.056	0.0189	****	0.0085	0.0070	0.0030	NR
4-11-64	7/445	1320	1.5	28000	49	0.0	72	180/16	BROKN	NONE	1.62	0.77	0.044	0.0207	0.0765	0.0035	0.0020	0.0015	NP
						5.0					1.87	****	0.040	0.0243	0.0730	0.0030	0.0025	0.0020	NP
						10.0					1.04	****	0.057	0.0162	****	0.0130	0.0090	0.0060	P
4-12-64	1/446	700	1.5	28000	49	0.0	59	160/13	BROKN	NONE	1.21	0.83	0.044	0.0252	0.0760	0.0050	0.0025	0.0010	NR
						5.0					1.18	****	0.045	0.0273	0.0730	0.0030	0.0020	0.0015	N
						10.0					0.66	****	0.048	0.0152	0.0760	0.0060	0.0020	0.0010	NR
4-12-64	2/447	720	1.5	28000	49	0.0	61	160/13	BROKN	NONE	1.00	0.74	0.045	0.0228	0.0750	0.0055	0.0010	0.0005	NR
						5.0					1.38	****	0.040	0.0231	0.0720	0.0030	0.0025	0.0020	N
						10.0					0.67	****	0.052	0.0152	0.0770	0.0070	0.0055	0.0025	NR
4-12-64	3/448	900	1.5	28000	49	0.0	69	190/20	SCATD	NONE	1.06	0.59	0.050	0.0164	0.0750	0.0040	0.0015	0.0010	NP
						5.0					1.29	****	0.050	0.0304	0.0770	0.0050	0.0030	0.0020	NR
						10.0					1.28	****	0.052	0.0203	0.0770	0.0090	0.0060	0.0040	P
4-12-64	4/449	920	1.5	28000	49	0.0	71	190/20	SCATD	NONE	0.88	0.80	0.051	0.0263	0.0740	0.0160	0.0035	0.0020	R
						5.0					0.78	****	0.065	0.0263	****	****	****	****	**
						10.0					1.26	****	0.050	0.0290	****	****	****	****	C
4-12-64	5/450	1104	1.5	28000	49	0.0	79	200/30	SCATD	NONE	1.25	0.81	0.043	0.0238	0.0745	0.0065	0.0020	0.0015	NR
						5.0					1.12	****	0.048	0.0303	0.0745	0.0055	0.0020	0.0010	NR
						10.0					1.35	****	0.027	0.0166	0.0770	0.0115	0.0070	0.0045	P

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-12-64	6/451	1119	1.5	28000	49	0.0 5.0 10.0	80	200/30	SCATD	NONE	1.36 1.44 0.88	0.79 **** ****	0.048 0.047 0.046	0.0226 0.0317 0.0195	0.0780 0.0740 ****	0.0065 0.0075 0.0090	0.0055 0.0035 0.0060	0.0030 0.0025 0.0040	NR ** NP
4-12-64	7/452	1259	1.5	28000	49	0.0 5.0 10.0	86	200/28	CLEAR	NONE	0.86 1.18 1.25	0.57 **** ****	0.050 0.053 0.062	0.0187 0.0303 0.0258	0.0740 0.0740 ****	0.0040 0.0050 ****	0.0035 0.0035 ****	0.0025 0.0030 ****	R C C
4-12-64	8/453	1320	1.5	28000	49	0.0 5.0 10.0	87	200/28	CLEAR	NONE	0.73 1.12 0.40	0.62 **** ****	0.049 0.053 0.062	0.0193 0.0259 0.0121	0.0735 0.0725 ****	0.0135 0.0200 0.0125	0.0045 0.0135 0.0050	0.0015 0.0070 0.0030	R R R
4-13-64	1/454	659	1.5	28000	49	0.0 5.0 10.0	43	290/10	CLEAR	NONE	1.36 1.03 0.85	0.56 **** ****	0.042 0.039 0.036	0.0248 0.0222 0.0152	0.0735 0.0705 0.0750	0.0050 0.0085 0.0105	0.0010 0.0025 0.0080	0.0005 0.0008 0.0060	NP NR NR
4-13-64	2/455	719	1.5	28000	49	0.0 5.0 10.0	45	290/10	CLEAR	NONE	1.34 1.36 0.91	0.57 **** ****	0.043 0.038 0.047	0.0276 0.0228 0.0178	0.0730 0.0700 0.0740	0.0045 0.0035 0.0050	0.0015 0.0005 0.0030	0.0010 0.0001 0.0005	NP N NP
4-13-64	3/456	900	1.5	28000	49	0.0 5.0 10.0	56	290/12	CLEAR	NONE	1.36 1.38 0.99	0.59 **** ****	0.043 0.040 0.043	0.0264 0.0249 0.0186	0.0720 0.0695 0.0730	0.0040 0.0065 0.0070	0.0015 0.0025 0.0035	0.0005 0.0008 0.0015	NP N NP
4-13-64	4/457	919	1.5	28000	49	0.0 5.0 10.0	57	290/12	CLEAR	NONE	1.44 1.36 0.62	0.56 **** ****	0.043 0.038 0.048	0.0299 0.0220 0.0151	0.0725 0.0700 0.0730	0.0075 0.0040 0.0075	0.0050 0.0020 0.0040	0.0030 0.0005 0.0020	NP N NR
4-13-64	5/458	1100	1.5	28000	49	0.0 5.0 10.0	62	240/10	CLEAR	NONE	1.55 1.72 1.44	0.60 **** ****	0.040 0.044 0.043	0.0252 0.0286 0.0215	0.0750 0.0725 0.0760	0.0045 0.0065 0.0040	0.0010 0.0040 0.0020	0.0005 0.0015 0.0015	NP NP P
4-13-64	6/459	1119	1.5	28000	49	0.0 5.0 10.0	63	240/10	CLEAR	NONE	1.17 1.94 0.61	0.56 **** ****	0.050 0.030 0.055	0.0255 0.0260 0.0173	0.0755 0.0745 0.0780	0.0045 0.0065 0.0160	0.0035 0.0040 0.0060	0.0030 0.0020 0.0050	NR P NR
4-13-64	7/460	1300	1.5	28000	49	0.0 5.0 10.0	67	280/10	CLEAR	NONE	1.44 2.15 0.52	0.69 **** ****	0.051 0.045 0.049	0.0273 0.0313 0.0157	0.0740 0.0720 0.0710	0.0050 0.0100 0.0110	0.0045 0.0085 0.0035	0.0025 0.0035 0.0020	NP P NR
4-13-64	8/461	1319	1.5	28000	49	0.0 5.0 10.0	67	280/10	CLEAR	NONE	1.51 2.48 0.51	0.61 **** ****	0.043 0.044 0.055	0.0249 0.0344 0.0216	0.0735 0.0720 ****	0.0040 0.0100 0.0290	0.0020 0.0090 0.0050	0.0015 0.0080 0.0030	NP P R
4-14-64	1/462	700	1.5	28000	49	0.0 5.0 10.0	49	340/6	CLEAR*	NONE	1.15 1.12 1.33	**** **** ****	0.046 0.042 0.040	0.0260 0.0261 0.0201	0.0760 0.0700 0.0760	0.0050 0.0115 0.0095	0.0035 0.0060 0.0050	0.0025 0.0030 0.0045	NR NR P
4-14-64	2/463	720	1.5	28000	49	0.0 5.0 10.0	51	340/6	CLEAR	NONE	0.97 9.99 2.06	**** **** ****	0.041 **** 0.029	0.0231 **** 0.0220	0.0740 **** 0.0700	0.0055 **** 0.0060	0.0025 **** 0.0035	0.0020 **** 0.0010	NR ** P
4-14-64	3/464	859	1.5	28000	49	0.0 5.0 10.0	62	350/10	CLEAR	NONE	1.01 1.31 1.56	**** **** ****	0.050 0.045 0.032	0.0219 0.0268 0.0246	0.0760 0.0725 0.0710	0.0035 0.0090 0.0140	0.0025 0.0030 0.0040	0.0020 0.0020 0.0030	N N P
4-14-64	4/465	919	1.5	28000	49	0.0 5.0 10.0	63	350/10	CLEAR	NONE	0.94 0.90 1.49	**** **** ****	0.046 0.047 0.029	0.0268 0.0215 0.0210	0.0770 0.0730 0.0740	0.0120 0.0080 0.0100	0.0030 0.0035 0.0070	0.0010 0.0010 0.0035	NR NR P
4-14-64	5/466	1100	1.5	28000	49	0.0 5.0 10.0	69	340/9	CLEAR	NONE	1.01 1.98 0.61	**** **** ****	0.046 0.036 0.052	0.0243 0.0260 0.0211	0.0735 0.0710 0.0730	0.0095 0.0045 0.0275	0.0040 0.0040 0.0050	0.0030 0.0030 0.0030	NR P R

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. ml.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-14-64	6/467	1120	1.5	28000	49	0.0	69	340/9	CLEAR	NONE	1.72	****	0.045	0.0334	0.0750	0.0055	0.0045	0.0030	NP
						5.0					0.67	****	0.043	0.0159	0.0690	0.0115	0.0065	0.0040	R
						10.0					1.26	****	0.056	0.0247	****	0.0175	0.0160	0.0095	P
4-14-64	7/468	1300	1.5	28000	49	0.0	70	310/10	CLEAR	NONE	1.52	****	0.048	0.0279	0.0780	0.0045	0.0035	0.0030	NP
						5.0					0.80	****	0.050	0.0254	****	0.0370	0.0085	0.0050	**
						10.0					0.89	****	0.047	0.0191	0.0730	0.0090	0.0075	0.0050	NP
4-14-64	8/469	1319	1.5	28000	49	0.0	71	310/10	CLEAR	NONE	1.33	****	0.052	0.0283	0.0770	0.0020	0.0015	0.0010	N
						5.0					0.88	****	0.049	0.0251	0.0720	0.0105	0.0020	0.0015	NR
						10.0					1.33	****	0.045	0.0205	****	0.0200	0.0150	0.0125	P
4-15-64	1/470	700	1.5	28000	49	0.0	54	200/8	CLEAR	NONE	0.83	****	0.047	0.0214	0.0755	0.0045	0.0015	0.0010	NR
						5.0					1.32	****	0.048	0.0266	0.0745	0.0008	0.0005	0.0005	N
						10.0					0.87	****	0.047	0.0197	0.0760	0.0050	0.0010	0.0005	NR
4-15-64	2/471	719	1.5	28000	49	0.0	56	200/8	CLEAR	NONE	1.03	****	0.048	0.0245	0.0770	0.0060	0.0015	0.0005	NR
						5.0					1.39	****	0.045	0.0243	0.0755	0.0050	0.0030	0.0015	N
						10.0					0.63	****	0.050	0.0176	0.0800	0.0070	0.0035	0.0020	NR
4-15-64	3/472	859	1.5	28000	49	0.0	68	200/15	CLEAR	NONE	1.26	****	0.047	0.0258	0.0780	0.0040	0.0025	0.0010	NR
						5.0					1.09	****	0.047	0.0278	0.0770	0.0040	0.0030	0.0010	N
						10.0					0.61	****	0.049	0.0183	0.0790	0.0150	0.0060	0.0020	NR
4-15-64	4/473	920	1.5	28000	49	0.0	70	200/15	CLEAR	NONE	0.97	****	0.050	0.0240	0.0780	0.0055	0.0030	0.0015	NR
						5.0					2.33	****	0.031	0.0227	0.0775	0.0015	0.0010	0.0010	P
						10.0					****	****	****	****	****	****	****	****	**
4-16-64	1/474	700	1.5	28000	49	0.0	60	200/17	CLEAR	NONE	1.01	****	0.049	0.0220	0.0775	0.0055	0.0025	0.0015	NR
						5.0					1.14	****	0.048	0.0297	0.0760	0.0100	0.0045	0.0020	R
						10.0					0.87	****	0.050	0.0200	0.0790	0.0085	0.0060	0.0025	NR
4-16-64	2/475	720	1.5	28000	49	0.0	62	200/17	CLEAR	NONE	0.97	****	0.048	0.0277	0.0765	0.0060	0.0035	0.0015	NR
						5.0					1.04	****	0.043	0.0234	0.0750	0.0125	0.0045	0.0025	R
						10.0					0.97	****	0.046	0.0172	0.0800	0.0075	0.0020	0.0010	NP
4-16-64	3/476	900	1.5	28000	49	0.0	68	200/18	CLEAR	NONE	0.85	****	0.054	0.0266	0.0780	0.0090	0.0050	0.0040	R
						5.0					1.53	****	0.041	0.0271	0.0765	0.0045	0.0030	0.0020	N
						10.0					0.52	****	0.052	0.0213	0.0795	0.0080	0.0045	0.0035	R
4-16-64	4/477	920	1.5	28000	49	0.0	69	200/18	CLEAR	NONE	0.87	****	0.057	0.0245	0.0810	0.0105	0.0080	0.0010	NR
						5.0					1.55	****	0.047	0.0307	0.0765	0.0025	0.0020	0.0015	N
						10.0					1.02	****	0.048	0.0245	0.0790	0.0100	0.0060	0.0050	C
4-16-64	5/478	1100	1.5	28000	49	0.0	75	180/17	SCATD	NONE	0.83	****	0.051	0.0265	0.0750	0.0065	0.0035	0.0020	NR
						5.0					1.04	****	0.058	0.0245	0.0745	0.0065	0.0040	0.0025	C
						10.0					0.31	****	0.078	0.0149	****	****	****	****	R
4-16-64	6/479	1120	1.5	28000	49	0.0	76	180/17	SCATD	NONE	0.75	****	0.049	0.0250	0.0760	0.0115	0.0045	0.0080	R
						5.0					1.53	****	0.050	0.0296	0.0755	0.0065	0.0035	0.0020	NP
						10.0					0.70	****	0.050	0.0210	****	0.0130	0.0100	0.0020	R
4-16-64	7/480	1300	1.5	28000	49	0.0	78	180/18	SCATD	NONE	0.93	****	0.048	0.0261	0.0760	0.0075	0.0045	0.0030	NR
						5.0					1.15	****	0.043	0.0283	0.0755	0.0185	0.0120	0.0080	R
						10.0					0.40	****	0.060	0.0106	****	0.0060	0.0045	0.0040	R
4-16-64	8/481	1320	1.5	28000	49	0.0	79	180/18	SCATD	NONE	1.16	****	0.051	0.0259	0.0785	0.0110	0.0090	0.0075	**
						5.0					1.10	****	0.051	0.0207	0.0750	0.0110	0.0040	0.0025	NR
						10.0					0.51	****	0.065	0.0151	0.0810	0.0150	0.0085	0.0060	R
4-17-64	1/482	900	1.5	28000	49	0.0	66	180/15	OVCST	NONE	1.31	****	0.042	0.0255	0.0740	0.0070	0.0040	0.0020	NP
						5.0					1.97	****	0.043	0.0266	0.0730	0.0040	0.0035	0.0030	NP
						10.0					0.44	****	0.074	0.0143	****	0.0135	0.0090	0.0065	R

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-17-64	2/483	920	1.5	28000	49	0.0	67	180/15	OVCST	NONE	1.13	****	0.045	0.0218	0.0755	0.0060	0.0040	0.0025	NP
						5.0					1.52	****	0.044	0.0301	0.0730	0.0060	0.0055	0.0040	N
						10.0					0.49	****	0.056	0.0156	****	0.0230	0.0080	0.0040	R
4-17-64	3/484	1100	1.5	28000	49	0.0	72	180/14	OVCST	NONE	1.13	****	0.044	0.0211	0.0730	0.0050	0.0025	0.0020	NP
						5.0					1.16	****	0.041	0.0236	0.0695	0.0040	0.0015	0.0010	N
						10.0					1.06	****	0.048	0.0221	****	0.0165	0.0110	0.0055	NP
4-17-64	4/485	1120	1.5	28000	49	0.0	74	180/14	OVCST	NONE	1.77	****	0.040	0.0237	0.0750	0.0035	0.0025	0.0020	P
						5.0					0.51	****	0.059	0.0127	0.0765	0.0060	0.0018	0.0015	**
						10.0					0.68	****	0.032	0.0161	****	0.0205	0.0110	0.0060	NR
4-17-64	5/486	1300	1.5	28000	49	0.0	79	180/13	BROKN	NONE	0.92	****	0.047	0.0265	0.0760	0.0015	0.0008	0.0005	N
						5.0					1.32	****	0.051	0.0233	****	0.0180	0.0140	0.0065	C
						10.0					1.39	****	0.032	0.0160	****	0.0240	0.0220	0.0120	P
4-17-64	6/487	1319	1.5	28000	49	0.0	79	180/13	BROKN	NONE	0.85	****	0.055	0.0225	0.0770	0.0075	0.0065	0.0030	NR
						5.0					0.96	****	0.047	0.0243	0.0770	0.0240	0.0060	0.0045	NR
						10.0					0.49	****	0.066	0.0148	****	0.0100	0.0040	0.0030	**
4-18-64	1/488	700	1.5	28000	49	0.0	68	170/13	BROKN	NONE	0.94	****	0.045	0.0278	0.0770	0.0065	0.0010	0.0005	NR
						5.0					1.38	****	0.041	0.0210	0.0735	0.0045	0.0035	0.0020	NP
						10.0					0.69	****	****	****	****	****	****	****	**
4-18-64	2/489	720	1.5	28000	49	0.0	68	170/13	BROKN	NONE	1.03	****	0.052	0.0236	0.0740	0.0050	0.0030	0.0010	NR
						5.0					1.81	****	0.041	0.0286	0.0720	0.0050	0.0030	0.0015	NP
						10.0					0.76	****	****	****	0.0750	0.0060	0.0015	0.0010	**
4-18-64	3/490	859	1.5	28000	49	0.0	70	180/15	OVCST	NONE	0.90	****	0.047	0.0194	0.0780	0.0070	0.0045	0.0035	NR
						5.0					1.32	****	0.048	0.0249	0.0780	0.0075	0.0035	0.0025	NR
						10.0					1.17	****	****	****	****	0.0105	0.0080	0.0060	**
4-18-64	4/491	920	1.5	28000	49	0.0	71	180/15	OVCST	NONE	0.56	****	0.050	0.0164	0.0785	0.0070	0.0050	0.0030	R
						5.0					1.21	****	0.046	0.0235	0.0775	0.0070	0.0010	0.0005	N
						10.0					0.34	****	****	****	****	****	****	****	**
4-18-64	5/492	1100	1.5	28000	49	0.0	74	190/16	BROKN	NONE	0.95	****	0.050	0.0260	0.0760	0.0160	0.0110	0.0055	R
						5.0					1.40	****	0.047	0.0154	****	0.0215	0.0195	0.0060	C
						10.0					0.81	****	0.055	0.0204	0.0810	0.0085	0.0060	0.0050	NP
4-18-64	6/493	1120	1.5	28000	49	0.0	75	190/16	BROKN	NONE	0.66	****	0.053	0.0165	0.0750	0.0130	0.0080	0.0055	R
						5.0					0.78	****	0.045	0.0154	0.0750	0.0060	0.0020	0.0010	R
						10.0					0.96	****	0.051	0.0227	0.0750	0.0095	0.0040	0.0025	NP
4-18-64	7/494	1259	1.5	28000	49	0.0	78	180/14	OVCST	NONE	1.09	****	0.049	0.0253	0.0790	0.0055	0.0035	0.0015	NR
						5.0					1.04	****	0.048	0.0249	0.0790	0.0040	0.0025	0.0020	C
						10.0					0.55	****	0.059	0.0172	0.0790	0.0210	0.0060	0.0020	R
4-18-64	8/495	1320	1.5	28000	49	0.0	78	180/14	OVCST	NONE	1.05	****	0.050	0.0219	0.0755	0.0050	0.0020	0.0015	NR
						5.0					1.19	****	0.050	0.0298	0.0755	0.0190	0.0055	0.0025	R
						10.0					0.51	****	0.064	0.0190	****	0.0135	0.0090	0.0055	R
4-19-64	1/496	659	1.5	28000	49	0.0	69	190/20	OVCST	NONE	0.88	****	0.049	0.0187	0.0780	0.0035	0.0020	0.0010	NR
						5.0					2.54	****	0.044	0.0342	0.0770	0.0030	0.0030	0.0030	P
						10.0					0.82	****	0.028	0.0103	0.0755	0.0065	0.0040	0.0025	NR
4-19-64	2/497	720	1.5	28000	49	0.0	69	190/20	OVCST	NONE	1.06	****	0.048	0.0248	0.0750	0.0055	0.0035	0.0010	NR
						5.0					1.90	****	0.027	0.0207	0.0720	0.0060	0.0020	0.0015	P
						10.0					0.69	****	0.029	0.0100	****	0.0075	0.0050	0.0040	NR
4-19-64	3/498	859	1.5	28000	49	0.0	70	200/25	BROKN	NONE	1.00	****	0.048	0.0268	0.0760	0.0050	0.0015	0.0010	NR
						5.0					1.01	****	0.051	0.0242	0.0775	0.0165	0.0090	0.0065	R
						10.0					0.55	****	0.031	0.0117	0.0780	0.0120	0.0040	0.0020	NR

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta Io to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-19-64	4/499	919	1.5	28000	49	0.0	70	200/25	BROKN	NONE	1.48	****	0.044	0.0238	0.0800	0.0010	0.0005	0.0002	P
						5.0					1.74	****	0.033	0.0206	0.0780	0.0055	0.0030	0.0020	P
						10.0					0.56	****	0.033	0.0108	0.0800	0.0130	0.0075	0.0050	**
4-19-64	5/500	1059	1.5	28000	49	0.0	73	180/18	OVCST	NONE	0.96	****	0.048	0.0248	0.0760	0.0070	0.0045	0.0030	NR
						5.0					1.12	****	0.047	0.0199	0.0780	0.0090	0.0055	0.0040	NP
						10.0					0.43	****	0.048	0.0078	0.0800	0.0190	0.0150	0.0060	**
4-19-64	6/501	1120	1.5	28000	49	0.0	73	180/18	OVCST	NONE	0.98	****	0.046	0.0227	0.0740	0.0050	0.0015	0.0005	NR
						5.0					1.27	****	0.032	0.0209	0.0750	0.0105	0.0055	0.0025	NR
						10.0					0.55	****	0.044	0.0085	****	0.0065	0.0030	0.0020	**
4-19-64	7/502	1259	1.5	28000	49	0.0	76	180/20	OVCST	NONE	1.56	****	0.042	0.0230	0.0750	0.0040	0.0020	0.0010	P
						5.0					0.63	****	0.046	0.0130	0.0725	0.0115	0.0030	0.0015	NR
						10.0					0.52	****	0.034	0.0074	0.0765	0.0100	0.0065	0.0035	**
4-19-64	8/503	1319	1.5	28000	49	0.0	76	180/20	OVCST	NONE	1.04	****	0.049	0.0232	0.0760	0.0060	0.0020	0.0010	NR
						5.0					1.72	****	0.042	0.0172	0.0730	0.0030	0.0025	0.0020	P
						10.0					0.71	****	0.032	0.0051	****	0.0065	0.0040	0.0030	**
4-20-64	1/504	700	1.5	28000	49	0.0	68	180/15	SCATD	NONE	0.95	****	0.048	0.0286	0.0725	0.0110	0.0030	0.0020	R
						5.0					1.18	****	0.053	0.0251	0.0730	0.0130	0.0070	0.0040	NR
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	2/505	720	1.5	28000	49	0.0	68	180/15	SCATD	NONE	1.23	****	0.047	0.0215	0.0730	0.0015	0.0008	0.0005	N
						5.0					1.59	****	0.046	0.0229	0.0720	0.0055	0.0040	0.0020	NP
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	3/506	900	1.5	28000	49	0.0	68	180/18	BROKN	NONE	0.57	****	0.045	0.0193	0.0720	0.0180	0.0030	0.0005	R
						5.0					0.69	****	0.059	0.0172	0.0710	0.0065	0.0040	0.0035	R
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	4/507	919	1.5	28000	49	0.0	68	180/18	BROKN	NONE	0.87	****	0.050	0.0245	0.0740	0.0090	0.0045	0.0030	R
						5.0					0.73	****	0.057	0.0233	0.0740	0.0090	0.0065	0.0040	R
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	5/508	1059	1.5	28000	49	0.0	74	180/18	OVCST	NONE	1.13	****	0.045	0.0249	0.0750	0.0060	0.0030	0.0010	NR
						5.0					1.08	****	0.041	0.0193	0.0720	0.0100	0.0070	0.0050	NR
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	6/509	1119	1.5	28000	49	0.0	74	180/18	OVCST	NONE	1.15	****	0.043	0.0195	****	0.0160	0.0130	0.0120	C
						5.0					0.52	****	0.067	0.0209	****	0.0460	0.0290	0.0240	R
						10.0					****	****	****	****	****	****	****	****	**
4-20-64	7/510	1319	1.5	28000	49	0.0	75	190/18	BROKN	NONE	1.15	****	0.041	0.0250	0.0750	0.0080	0.0040	0.0015	N
						5.0					1.49	****	0.047	0.0356	0.0750	0.0170	0.0110	0.0080	NR
						10.0					****	****	****	****	****	****	****	****	**
4-21-64	1/511	859	1.5	28000	49	0.0	68	290/12	SCATD	NONE	1.33	****	0.042	0.0251	0.0710	0.0050	0.0010	0.0005	N
						5.0					1.20	****	0.043	0.0282	0.0725	0.0070	0.0025	0.0010	NR
						10.0					0.89	****	0.047	0.0193	0.0750	0.0075	0.0045	0.0025	NR
4-21-64	2/512	919	1.5	28000	49	0.0	69	290/12	SCATD	NONE	0.99	****	0.042	0.0246	0.0700	0.0055	0.0025	0.0015	NR
						5.0					1.45	****	0.043	0.0286	0.0700	0.0055	0.0015	0.0005	N
						10.0					0.72	****	0.052	0.0181	0.0710	0.0075	0.0040	0.0020	NR
4-21-64	3/513	1059	1.5	28000	49	0.0	76	250/12	CLEAR	NONE	1.37	****	0.043	0.0281	0.0730	0.0045	0.0030	0.0002	N
						5.0					1.03	****	0.045	0.0250	0.0720	0.0100	0.0030	0.0020	NR
						10.0					1.05	****	0.045	0.0206	0.0770	0.0065	0.0045	0.0025	NP
4-21-64	4/514	1119	1.5	28000	49	0.0	77	250/12	CLEAR	NONE	1.21	****	0.045	0.0249	0.0740	0.0055	0.0025	0.0010	N
						5.0					1.18	****	0.038	0.0256	0.0740	0.0090	0.0045	0.0020	NR
						10.0					0.87	****	0.050	0.0221	0.0770	0.0035	0.0020	0.0015	NR

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-21-64	5/515	1259	1.5	28000	49	0.0	80	270/7	CLEAR	NONE	1.82	****	0.043	0.0231	0.0760	0.0020	0.0015	0.0010	NP
						5.0					0.90	****	0.052	0.0191	0.0760	0.0075	0.0025	0.0010	R
						10.0					0.66	****	0.054	0.0194	****	0.0215	0.0085	0.0035	C
4-21-64	6/516	1320	1.5	28000	49	0.0	81	270/7	CLEAR	NONE	1.42	****	0.042	0.0204	0.0735	0.0085	0.0065	0.0035	NR
						5.0					1.35	****	0.032	0.0219	0.0735	0.0045	0.0015	0.0010	N
						10.0					2.15	****	0.033	0.0295	0.0770	0.0155	0.0070	0.0060	P
4-22-64	1/517	1059	1.5	28000	49	0.0	72	140/17	OVCST	NONE	1.25	****	0.041	0.0216	0.0750	0.0035	0.0020	0.0015	N
						5.0					0.72	****	0.043	0.0196	0.0735	0.0140	0.0010	0.0010	NR
						10.0					0.41	****	0.060	0.0109	****	0.0190	0.0120	0.0050	R
4-22-64	2/518	1159	1.5	28000	49	0.0	72	140/18	OVCST	NONE	0.96	****	0.045	0.0234	0.0725	0.0040	0.0020	0.0005	N
						5.0					1.84	****	0.038	0.0259	0.0710	0.0015	0.0013	0.0010	P
						10.0					1.81	****	0.036	0.0244	****	0.0220	0.0190	0.0145	P
4-22-64	3/519	1259	1.5	28000	49	0.0	75	160/18	BROKN	NONE	0.93	****	0.042	0.0236	0.0710	0.0050	0.0015	0.0010	N
						5.0					0.80	****	0.050	0.0224	0.0690	0.0200	0.0075	0.0020	NR
						10.0					1.25	****	0.039	0.0213	0.0770	0.0040	0.0030	0.0025	NP
4-22-64	4/520	1319	1.5	28000	49	0.0	76	160/18	BROKN	NONE	1.44	****	0.042	0.0236	0.0715	0.0060	0.0030	0.0010	NP
						5.0					1.34	****	0.047	0.0296	0.0730	0.0090	0.0045	0.0010	NR
						10.0					0.86	****	0.051	0.0243	0.0750	0.0120	0.0070	0.0030	NR
4-23-64	1/521	700	1.5	28000	49	0.0	63	180/12	BROKN	GF	1.02	****	0.041	0.0207	0.0730	0.0040	0.0010	0.0005	N
						5.0					1.27	****	0.048	0.0232	0.0730	0.0010	0.0008	0.0005	N
						10.0					1.16	****	0.045	0.0181	0.0745	0.0050	0.0025	0.0015	P
4-23-64	2/522	719	1.5	28000	49	0.0	64	180/12	BROKN	GF	0.81	****	0.043	0.0192	0.0720	0.0065	0.0030	0.0015	NR
						5.0					1.18	****	0.045	0.0235	0.0710	0.0030	0.0010	0.0005	N
						10.0					1.02	****	0.048	0.0238	0.0770	0.0055	0.0030	0.0015	N
4-23-64	3/523	900	1.5	28000	49	0.0	68	180/15	OVCST	NONE	0.98	****	0.045	0.0241	0.0710	0.0050	0.0025	0.0010	NR
						5.0					0.80	****	0.052	0.0199	0.0680	0.0060	0.0030	0.0010	NR
						10.0					0.78	****	0.055	0.0194	0.0755	0.0095	0.0070	0.0055	NP
4-23-64	4/524	919	1.5	28000	49	0.0	69	180/15	OVCST	NONE	1.13	****	0.046	0.0240	0.0730	0.0060	0.0045	0.0015	NR
						5.0					0.87	****	0.044	0.0206	0.0715	0.0110	0.0045	0.0025	R
						10.0					0.85	****	0.054	0.0221	0.0750	0.0075	0.0025	0.0020	NP
4-23-64	5/525	1100	1.5	28000	49	0.0	76	200/13	SCATD	NONE	0.90	****	0.047	0.0260	0.0740	0.0055	0.0013	0.0010	NR
						5.0					0.67	****	0.058	0.0195	0.0720	0.0125	0.0050	0.0030	R
						10.0					0.57	****	0.062	0.0186	0.0800	0.0090	0.0050	0.0040	NR
4-23-64	6/526	1120	1.5	28000	49	0.0	77	200/13	SCATD	NONE	0.73	****	0.053	0.0202	0.0750	0.0125	0.0060	0.0040	R
						5.0					1.23	****	0.045	0.0196	0.0760	0.0055	0.0015	0.0010	NR
						10.0					0.67	****	0.051	0.0192	0.0745	0.0140	0.0060	0.0025	NR
4-23-64	7/527	1300	1.5	28000	49	0.0	84	200/15	OVCST	NONE	1.11	****	0.046	0.0215	0.0750	0.0055	0.0020	0.0015	NR
						5.0					1.14	****	0.033	0.0181	0.0760	0.0020	0.0015	0.0010	NR
						10.0					0.43	****	0.064	0.0113	****	0.0210	0.0150	0.0040	C
4-23-64	8/528	1320	1.5	28000	49	0.0	85	200/15	OVCST	NONE	1.42	****	0.050	0.0240	0.0730	0.0035	0.0025	0.0015	NP
						5.0					1.05	****	0.049	0.0213	0.0720	0.0053	0.0030	0.0020	NR
						10.0					0.91	****	0.047	0.0198	0.0730	0.0055	0.0030	0.0020	NP
4-24-64	1/529	700	1.5	28000	49	0.0	65	120/12	OVCST	NONE	0.64	****	0.048	0.0185	0.0735	0.0160	0.0050	0.0040	R
						5.0					1.25	****	0.047	0.0192	0.0745	0.0105	0.0085	0.0070	NR
						10.0					0.48	****	0.049	0.0134	****	0.0350	0.0140	0.0075	**
4-24-64	2/530	720	1.5	28000	49	0.0	65	120/12	OVCST	NONE	0.80	****	0.052	0.0168	0.0740	0.0130	0.0070	0.0055	R
						5.0					1.69	****	0.044	0.0327	0.0740	0.0065	0.0040	0.0035	N
						10.0					0.61	****	0.060	0.0184	0.0750	0.0185	0.0135	0.0050	R

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-24-64	3/531	900	1.5	28000	49	0.0 5.0 10.0	66	120/14	OVCST	NONE	0.81 1.21 0.57	**** **** ****	0.047 0.040 0.044	0.0187 0.0254 0.0149	0.0720 0.0690 0.0715	0.0120 0.0045 0.0070	0.0070 0.0005 0.0030	0.0045 0.0005 0.0020	NR N NR
4-24-64	4/532	920	1.5	28000	49	0.0 5.0 10.0	66	120/14	OVCST	NONE	1.14 1.32 0.63	**** **** ****	0.046 0.043 0.055	0.0228 0.0206 0.0142	0.0750 0.0750 0.0800	0.0025 0.0090 0.0095	0.0010 0.0055 0.0075	0.0005 0.0050 0.0060	NP NR NR
4-24-64	5/533	1100	1.5	28000	49	0.0 5.0 10.0	72	140/16	BROKN	NONE	1.21 0.94 0.82	**** **** ****	0.043 0.045 0.049	0.0255 0.0251 0.0181	0.0735 0.0745 0.0740	0.0070 0.0012 0.0080	0.0030 0.0010 0.0050	0.0015 0.0005 0.0020	N NR NR
4-24-64	6/534	1119	1.5	28000	49	0.0 5.0 10.0	73	140/16	BROKN	NONE	1.10 0.99 0.89	**** **** ****	0.050 0.050 0.051	0.0225 0.0210 0.2020	0.0755 0.0780 0.0790	0.0020 0.0055 0.0080	0.0015 0.0015 0.0055	0.0010 0.0008 0.0035	N NR N
4-24-64	7/535	1300	1.5	28000	49	0.0 5.0 10.0	80	160/17	SCATD	NONE	1.31 1.55 0.95	**** **** ****	0.042 0.042 0.049	0.0236 0.0271 0.0225	0.0730 0.0740 0.0755	0.0040 0.0095 0.0070	0.0025 0.0030 0.0030	0.0010 0.0015 0.0020	NP NP NP
4-24-64	8/536	1320	1.5	28000	49	0.0 5.0 10.0	80	160/17	SCATD	NONE	0.89 0.83 0.69	**** **** ****	0.050 0.051 0.045	0.0234 0.0266 0.0122	0.0750 0.0755 0.0755	0.0060 0.0155 0.0165	0.0020 0.0030 0.0135	0.0010 0.0080 0.0030	R R NP
4-25-64	1/537	700	1.5	28000	49	0.0 5.0 10.0	65	150/16	BROKN	NONE	1.51 1.11 1.85	**** **** ****	0.042 0.043 0.045	0.0254 0.0264 0.0248	**** 0.0715 0.0755	0.0045 0.0045 0.0070	0.0025 0.0020 0.0045	0.0020 0.0005 0.0020	NP N P
4-25-64	2/538	719	1.5	28000	49	0.0 5.0 10.0	65	150/16	BROKN	NONE	1.55 1.40 1.34	**** **** ****	0.043 0.040 0.052	0.0264 0.0293 0.0273	0.0720 0.0725 ****	0.0110 0.0065 0.0145	0.0090 0.0030 0.0120	0.0050 0.0015 0.0110	NP N P
4-25-64	3/539	1059	1.5	28000	49	0.0 5.0 10.0	79	200/24	SCATD	NONE	1.55 1.11 0.57	**** **** ****	0.043 0.048 0.051	0.0296 0.0256 0.0190	0.0760 0.0790 ****	0.0085 0.0170 0.0420	0.0060 0.0130 0.0095	0.0020 0.0110 0.0070	NP NR **
4-25-64	4/540	1120	1.5	28000	49	0.0 5.0 10.0	80	200/24	SCATD	NONE	1.35 0.83 0.78	**** **** ****	0.052 0.051 0.058	0.0245 0.0195 0.0221	0.0765 0.0745 ****	0.0120 0.0060 0.0320	0.0110 0.0020 0.0080	0.0095 0.0015 0.0030	C NR **
4-25-64	5/541	1300	1.5	28000	49	0.0 5.0 10.0	85	200/20	SCATD	NONE	0.94 1.20 0.58	**** **** ****	0.057 0.058 0.070	0.0273 0.0247 0.0184	0.0750 0.0740 ****	0.0070 0.0100 0.0280	0.0040 0.0065 0.0240	0.0030 0.0050 0.0145	N NP R
4-25-64	6/542	1320	1.5	28000	49	0.0 5.0 10.0	85	200/20	SCATD*	NONE	1.35 1.63 0.70	**** **** ****	0.046 0.040 0.056	0.0321 0.0158 0.0207	0.0750 0.0715 0.0780	0.0050 0.0040 0.0250	0.0040 0.0030 0.0065	0.0030 0.0025 0.0040	NP P **
4-26-64	1/543	859	1.5	28000	49	0.0 5.0 10.0	66	190/15	SCATD	NONE	1.36 1.09 0.54	**** **** ****	0.043 0.044 0.050	0.0300 0.0251 0.0153	0.0710 0.0740 0.0770	0.0010 0.0110 0.0120	0.0008 0.0040 0.0060	0.0005 0.0025 0.0030	N NR NR
4-26-64	2/544	920	1.5	28000	49	0.0 5.0 10.0	67	190/15	SCATD	NONE	1.20 1.25 0.77	**** **** ****	0.044 0.039 0.056	0.0293 0.0223 0.0213	0.0720 0.0725 0.0810	0.0080 0.0140 0.0120	0.0045 0.0105 0.0090	0.0020 0.0060 0.0075	NR NP NR
4-26-64	3/545	1059	1.5	28000	49	0.0 5.0 10.0	69	230/20	SCATD	NONE	0.68 0.76 0.34	**** **** ****	0.050 0.058 0.060	0.0200 0.0199 0.0130	0.0750 0.0820 ****	0.0050 0.0200 0.0130	0.0015 0.0115 0.0045	0.0010 0.0090 0.0030	R R **
4-26-64	4/546	1119	1.5	28000	49	0.0 5.0 10.0	70	230/20	SCATD	NONE	0.98 0.91 0.51	**** **** ****	0.054 0.065 0.083	0.0186 0.0213 0.0168	0.0740 0.0820 ****	0.0150 0.0150 0.0210	0.0120 0.0110 0.0170	0.0070 0.0090 0.0130	R R **

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-27-64	1/547	659	1.5	28000	49	0.0 5.0 10.0	53	250/12	SCATD	NONE	1.25 0.98 1.56	**** **** ****	0.045 0.048 0.042	0.0249 0.0222 0.0177	0.0770 0.0730 0.0725	0.0050 0.0160 0.0045	0.0015 0.0035 0.0030	0.0005 0.0020 0.0010	N N P
4-27-64	2/548	719	1.5	28000	49	0.0 5.0 10.0	54	250/12	SCATD	NONE	1.25 1.62 0.77	**** **** ****	0.049 0.044 0.056	0.0215 0.0229 0.0236	**** 0.0770 0.0760	**** 0.0035 0.0110	**** 0.0008 0.0055	**** 0.0005 0.0020	N P R
4-27-64	3/549	900	1.5	28000	49	0.0 5.0 10.0	65	310/17	SCATD	NONE	1.43 1.47 0.79	**** **** ****	0.044 0.046 0.051	0.0260 0.0323 0.0219	0.0760 0.0720 0.0750	0.0090 0.0040 0.0060	0.0055 0.0035 0.0050	0.0035 0.0020 0.0040	NP NP NR
4-27-64	4/550	919	1.5	28000	49	0.0 5.0 10.0	66	310/17	SCATD	NONE	0.55 1.29 1.44	**** **** ****	0.057 0.047 0.045	0.0216 0.0337 0.0218	0.0740 0.0740 0.0745	0.0160 0.0050 0.0060	0.0030 0.0040 0.0055	0.0015 0.0020 0.0040	R NR P
4-27-64	5/551	1059	1.5	28000	49	0.0 5.0 10.0	69	310/17	CLEAR	NONE	1.09 0.64 0.66	**** **** ****	0.049 0.055 0.029	0.0256 0.0160 0.0073	0.0755 0.0735 ****	0.0025 0.0115 0.0215	0.0020 0.0065 0.0190	0.0020 0.0045 0.0160	C R **
4-27-64	6/552	1119	1.5	28000	49	0.0 5.0 10.0	70	310/17	CLEAR	NONE	1.80 1.10 0.75	**** **** ****	0.043 0.052 0.053	0.0249 0.0181 0.0173	0.0770 0.0715 ****	0.0055 0.0035 0.0070	0.0040 0.0035 0.0050	0.0030 0.0035 0.0040	P NP **
4-27-64	7/553	1300	1.5	28000	49	0.0 5.0 10.0	74	310/21	SCATD	NONE	1.49 1.07 0.53	**** **** ****	0.050 0.054 0.070	0.0269 0.0254 0.0163	0.0740 **** ****	0.0040 0.0120 0.0310	0.0035 0.0045 0.0180	0.0030 0.0030 0.0140	NP C **
4-27-64	8/554	1320	1.5	28000	49	0.0 5.0 10.0	73	310/21	SCATD	NONE	0.97 0.72 0.94	**** **** ****	0.046 0.045 0.034	0.0251 0.0181 0.0157	0.0680 0.0665 ****	0.0045 0.0100 0.0200	0.0025 0.0065 0.0160	0.0005 0.0055 0.0130	NR R **
4-28-64	1/555	700	1.5	28000	310	0.0 5.0 10.0	54	290/17	CLEAR	NONE	1.29 1.23 1.56	**** **** ****	0.048 0.051 0.054	0.0295 0.0358 0.0412	0.0840 0.0820 0.0810	0.0040 0.0115 0.0050	0.0020 0.0025 0.0015	0.0015 0.0010 0.0010	NP N NR
4-28-64	2/556	719	1.5	28000	310	0.0 5.0 10.0	55	290/17	CLEAR	NONE	1.35 1.61 1.67	**** **** ****	0.048 0.050 0.051	0.0246 0.0297 0.0388	0.0810 0.0785 0.0800	0.0045 0.0025 0.0060	0.0030 0.0015 0.0015	0.0005 0.0013 0.0010	NP NP P
4-28-64	3/557	859	1.5	28000	310	0.0 5.0 10.0	60	300/30	CLEAR	NONE	0.75 2.79 1.25	**** **** ****	0.059 0.048 0.054	0.0249 0.0362 0.0394	0.0850 0.0850 0.0805	0.0110 0.0055 0.0135	0.0050 0.0050 0.0030	0.0030 0.0035 0.0020	R P NR
4-28-64	4/558	920	1.5	28000	310	0.0 5.0 10.0	60	300/30	CLEAR	NONE	1.81 1.64 1.33	**** **** ****	0.051 0.052 0.059	0.0344 0.0366 0.0384	0.0840 0.0855 0.0850	0.0045 0.0070 0.0090	0.0020 0.0045 0.0065	0.0010 0.0020 0.0035	P NP NP
4-28-64	5/559	1101	1.5	28000	130	0.0 5.0 10.0	64	310/22	CLEAR	NONE	0.72 0.80 1.36	**** **** ****	0.053 0.055 0.058	0.0181 0.0196 0.0332	0.0825 0.0830 0.0845	0.0130 0.0070 0.0110	0.0055 0.0040 0.0030	0.0015 0.0025 0.0025	R R NP
4-28-64	6/560	1120	1.5	28000	130	0.0 5.0 10.0	65	310/22	CLEAR	NONE	1.29 1.61 1.77	**** **** ****	0.043 0.041 0.044	0.0297 0.0346 0.0404	0.0670 0.0670 0.0680	0.0055 0.0095 0.0060	0.0035 0.0055 0.0035	0.0010 0.0030 0.0030	NP NP P
4-28-64	7/561	1259	1.5	28000	130	0.0 5.0 10.0	69	330/20	CLEAR	NONE	1.01 2.34 1.50	**** **** ****	0.047 0.027 0.048	0.0214 0.0305 0.0363	0.0765 0.0765 0.0740	0.0040 0.0045 0.0090	0.0035 0.0035 0.0035	0.0030 0.0030 0.0015	C P NP
4-28-64	8/562	1320	1.5	28000	130	0.0 5.0 10.0	70	330/20	CLEAR	NONE	0.72 2.13 1.28	**** **** ****	0.078 0.055 0.048	0.0177 0.0520 0.0333	**** 0.0815 0.0775	0.0055 0.0185 0.0085	0.0060 0.0075 0.0035	0.0030 0.0040 0.0025	R P NP

TABLE VII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 28,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-29-64	5/567	1101	1.5	28000	350	0.0	64	20/4	OVCST	NONE	2.00	****	0.044	0.0261	0.0810	0.0020	0.0015	0.0010	P
						5.0					1.24	****	0.047	0.0384	0.0750	0.0130	0.0020	0.0015	C
						10.0					2.03	****	0.050	0.0370	0.0770	0.0065	0.0040	0.0020	P
4-29-64	6/568	1120	1.5	28000	350	0.0	65	20/4	OVCST	NONE	1.56	****	0.045	0.0277	0.0780	0.0100	0.0080	0.0045	P
						5.0					1.69	****	0.050	0.0285	0.0700	0.0040	0.0025	0.0015	NP
						10.0					1.29	****	0.054	0.0294	0.0750	0.0075	0.0065	0.0035	P
4-30-64	1/569	659	1.5	28000	49	0.0	52	150/8	BROKN	NONE	1.04	****	0.045	0.0264	0.0730	0.0045	0.0030	0.0005	N
						5.0					1.53	****	0.040	0.0261	****	****	****	****	NP
						10.0					0.72	****	0.058	0.0172	0.0800	0.0155	0.0100	0.0070	NR
4-30-64	2/570	719	1.5	28000	49	0.0	54	150/8	BROKN	NONE	0.68	****	0.045	0.0153	****	0.0135	0.0045	0.0015	R
						5.0					1.18	****	0.036	0.0236	****	****	****	****	C
						10.0					0.68	****	0.055	0.0175	0.0730	0.0115	0.0055	0.0040	NR
4-30-64	3/571	859	1.5	28000	49	0.0	63	170/12	BROKN	NONE	0.68	****	0.047	0.0193	****	0.0050	0.0010	0.0005	R
						5.0					1.30	****	0.041	0.0322	0.0705	0.0090	0.0045	0.0015	NR
						10.0					1.57	****	0.028	0.0232	****	****	****	****	P
4-30-64	4/572	919	1.5	28000	49	0.0	64	170/12	BROKN	NONE	0.83	****	0.047	0.0254	****	0.0120	0.0085	0.0060	R
						5.0					1.36	****	0.045	0.0314	0.0730	0.0060	0.0050	0.0020	C
						10.0					0.85	****	0.050	0.0179	0.0720	0.0125	0.0060	0.0050	P
4-30-64	5/573	1059	1.5	28000	49	0.0	69	170/15	SCATD	NONE	1.60	****	0.045	0.0287	0.0775	0.0060	0.0035	0.0015	P
						5.0					1.36	****	0.047	0.0261	0.0730	0.0050	0.0035	0.0020	N
						10.0					1.14	****	0.050	0.0242	****	0.0220	0.0170	0.0120	P
4-30-64	6/574	1120	1.5	28000	49	0.0	70	170/15	SCATD	NONE	0.71	****	0.057	0.0215	0.0750	0.0180	0.0070	0.0045	R
						5.0					1.21	****	0.046	0.0261	0.0750	0.0030	0.0025	0.0020	NR
						10.0					1.48	****	0.054	0.0247	****	0.0200	0.0160	0.0140	P
4-30-64	7/575	1300	1.5	28000	49	0.0	73	140/15	SCATD	NONE	0.80	****	0.052	0.0257	****	0.0120	0.0080	0.0040	R
						5.0					1.05	****	0.052	0.0255	0.0730	0.0105	0.0085	0.0050	NR
						10.0					1.57	****	0.056	0.0331	****	****	****	****	P
4-30-64	8/576	1319	1.5	28000	49	0.0	73	140/15	SCATD	NONE	2.22	****	0.040	0.0346	0.0755	0.0080	0.0050	0.0030	P
						5.0					1.07	****	0.040	0.0263	0.0755	0.0065	0.0050	0.0030	NR
						10.0					1.43	****	0.052	0.0300	****	0.0200	0.0090	0.0060	P
5-1-64	4/580	919	1.5	28000	49	0.0	67	140/15	BROKN	NONE	1.00	****	0.045	0.0241	0.0685	0.0045	0.0020	0.0010	NR
						5.0					1.57	****	0.042	0.0259	****	0.0105	0.0085	0.0005	C
						10.0					1.06	****	0.056	0.0258	****	0.0155	0.0135	0.0125	**

TABLE VIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE OF 26,000 TO 27,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-18-64	4/284	920	1.7	27000	49	0.0 5.0 10.0	60	150/12	SCATD	NONE	1.24 1.61 1.18	0.51 0.50 0.32	0.038 0.041 0.044	0.0217 0.0323 0.0252	0.0685 0.0700 0.0730	0.0040 0.0050 0.0045	0.0020 0.0010 0.0015	0.0005 0.0005 0.0001	N N N
3-18-64	5/285	1100	1.5	27000	49	0.0 5.0 10.0	67	170/17	SCATD	NONE	1.59 1.74 0.62	0.66 0.47 0.25	0.050 0.052 0.062	0.0318 0.0271 0.0181	0.0760 0.0765 ****	0.0020 0.0085 0.0170	0.0013 0.0055 0.0150	0.0010 0.0030 0.0080	NP NP R
3-18-64	6/286	1120	1.5	27000	49	0.0 5.0 10.0	67	170/17	SCATD	NONE	1.46 1.35 0.90	0.68 0.49 0.28	0.039 0.041 0.052	0.0255 0.0277 0.0209	0.0705 0.0735 0.0770	0.0060 0.0120 0.0140	0.0020 0.0050 0.0080	0.0010 0.0040 0.0045	NP NR NR
3-18-64	7/287	1259	1.5	27000	49	0.0 5.0 10.0	70	160/16	BROKN	NONE	0.98 1.80 1.21	0.56 0.48 0.30	0.040 0.045 0.040	0.0205 0.0283 0.0209	0.0725 0.0750 0.0780	0.0100 0.0100 0.0070	0.0025 0.0075 0.0045	0.0010 0.0045 0.0010	R NP P
3-18-64	8/288	1320	1.7	27000	49	0.0 5.0 10.0	69	160/16	BROKN	NONE	1.10 1.28 1.51	0.45 0.47 0.36	0.046 0.048 0.044	0.0171 0.0363 0.0286	0.0715 0.0720 0.0725	0.0080 0.0080 0.0050	0.0070 0.0015 0.0015	0.0050 0.0010 0.0013	P NR P
3-20-64	1/289	700	1.7	27000	49	0.0 5.0 10.0	32	310/34	OVCST	NONE	0.88 1.18 0.17	0.29 0.24 0.06	0.041 0.051 0.043	0.0156 0.0173 0.0037	0.0635 **** ****	0.0070 0.0120 ****	0.0050 0.0080 ****	0.0015 0.0060 ****	R ** R
3-20-64	2/290	720	1.7	27000	49	0.0 5.0 10.0	32	310/34	OVCST	NONE	0.96 1.51 0.93	0.38 0.42 0.22	0.043 0.037 0.041	0.0197 0.0238 0.0155	0.0630 0.0620 0.0680	0.0060 0.0090 0.0080	0.0030 0.0060 0.0060	0.0020 0.0040 0.0035	R NP NP
3-20-64	3/291	902	1.7	27000	49	0.0 5.0 10.0	32	310/30	OVCST	-S	0.98 1.37 1.27	0.30 0.33 0.26	0.042 0.028 0.040	0.0218 0.0181 0.0229	0.0680 0.0675 ****	0.0055 0.0040 0.0160	0.0010 0.0020 0.0150	0.0005 0.0015 0.0060	NR NP P
3-20-64	5/293	1059	1.5	27000	49	0.0 5.0 10.0	31	320/26	OVCST	-S	1.52 1.10 0.40	0.40 0.35 0.16	0.040 0.042 0.064	0.0214 0.0237 0.0185	0.0715 0.0715 ****	0.0030 0.0075 0.0250	0.0020 0.0045 0.0190	0.0010 0.0035 0.0110	NP NR R
3-20-64	6/294	1120	1.5	27000	49	0.0 5.0 10.0	31	320/26	OVCST	-S	0.91 1.48 0.91	0.40 0.34 0.20	0.044 0.039 0.056	0.0184 0.0271 0.0158	0.0730 0.0720 ****	0.0050 0.0015 0.0040	0.0020 0.0010 0.0035	0.0010 0.0005 0.0030	NR N **
3-21-64	1/295	659	1.5	27000	49	0.0 5.0 10.0	25	340/10	CLEAR	NONE	1.22 1.17 0.70	0.50 0.39 0.26	0.046 0.042 0.052	0.0268 0.0267 0.0171	0.0775 0.0745 0.0770	0.0050 0.0055 0.0060	0.0020 0.0010 0.0020	0.0005 0.0005 0.0010	NR NR NR
3-21-64	2/296	859	1.5	27000	49	0.0 5.0 10.0	29	360/10	CLEAR*	NONE	1.20 1.23 0.78	0.44 0.45 0.28	0.041 0.043 0.046	0.0237 0.0303 0.0197	0.0710 0.0720 ****	0.0045 0.0020 0.0060	0.0020 0.0010 0.0025	0.0005 0.0005 0.0015	NR N NR
3-21-64	4/298	1100	1.5	27000	49	0.0 5.0 10.0	35	350/10	CLEAR	NONE	1.15 0.90 0.57	0.42 0.36 0.25	0.047 0.041 0.057	0.0277 0.0218 0.0185	0.0725 0.0705 0.0750	0.0065 0.0140 0.0070	0.0020 0.0035 0.0040	0.0010 0.0015 0.0030	NR R R
5-3-64	3/595	900	1.3	27000	49	0.0 5.0 10.0	75	180/15	CLEAR	NONE	0.93 1.00 0.69	**** **** ****	0.053 0.036 0.061	0.0239 0.0187 0.0175	0.0810 0.0830 ****	0.0055 0.0035 0.0200	0.0045 0.0025 0.0145	0.0010 0.0015 0.0100	R ** R
5-3-64	4/596	920	1.3	27000	49	0.0 5.0 10.0	76	180/15	CLEAR	NONE	0.96 0.69 0.42	**** **** ****	0.057 0.052 0.060	0.0240 0.0167 0.0175	0.0820 0.0835 ****	0.0125 0.0060 0.0380	0.0070 0.0040 0.0155	0.0035 0.0020 0.0105	R R R
5-3-64	5/597	1100	1.3	27000	49	0.0 5.0 10.0	84	180/14	CLEAR	NONE	1.63 0.48 0.74	**** **** ****	0.046 0.059 0.066	0.0250 0.0189 0.0205	0.0810 0.0800 0.0850	0.0055 0.0110 0.0100	0.0030 0.0040 0.0080	0.0015 0.0015 0.0050	NP R NR

TABLE VIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE OF 26,000 TO 27,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-3-64	6/598	1120	1.3	27000	49	0.0	85	180/14	CLEAR	NONE	1.26	****	0.065	0.0442	0.0920	0.0090	0.0030	0.0015	R
						5.0					****	****	****	****	****	****	****	****	**
						10.0					****	****	****	****	****	****	****	****	**
5-3-64	7/599	1300	1.3	27000	49	0.0	88	200/10	CLEAR	NONE	0.93	****	0.050	0.0202	0.0830	0.0120	0.0040	0.0010	R
						5.0					1.83	****	0.050	0.0361	0.0820	0.0090	0.0080	0.0050	NP
						10.0					2.57	****	0.059	0.0299	0.0865	0.0100	0.0070	0.0065	P
3-21-64	3/297	920	1.5	26000	49	0.0	30	360/10	CLEAR	NONE	1.10	0.44	0.043	0.0233	0.0740	0.0055	0.0030	0.0015	NR
						5.0					1.42	0.43	0.045	0.0239	0.0730	0.0045	0.0008	0.0005	N
						10.0					0.65	0.25	0.048	0.0184	0.0720	0.0060	0.0020	0.0010	NR
3-21-64	5/299	1120	1.5	26000	49	0.0	36	350/10	CLEAR	NONE	1.25	0.44	0.045	0.0278	0.0760	0.0050	0.0025	0.0010	NR
						5.0					0.92	0.35	0.041	0.0236	0.0720	0.0160	0.0050	0.0030	R
						10.0					0.43	0.22	0.056	0.0162	0.0750	0.0220	0.0070	0.0050	R

TABLE IX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE OF 24,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-1-64	1/577	700	1.5	24000	49	0.0	57	140/13	BROKN	NONE	1.41	****	0.046	0.0266	0.0740	0.0045	0.0010	0.0005	N
						5.0					1.43	****	0.040	0.0251	0.0730	0.0055	0.0025	0.0010	NP
						10.0					0.88	****	0.052	0.0203	0.0765	0.0060	0.0015	0.0010	NR
5-1-64	2/578	719	1.5	24000	49	0.0	58	140/13	BROKN	NONE	0.95	****	0.049	0.0251	0.0740	0.0090	0.0030	0.0005	R
						5.0					1.06	****	0.053	0.0247	0.0730	0.0060	0.0035	0.0020	**
						10.0					0.97	****	0.049	0.0189	0.0780	0.0085	0.0060	0.0040	NR
5-1-64	3/579	900	1.5	24000	49	0.0	66	140/15	BROKN	NONE	1.16	****	0.046	0.0230	0.0720	0.0030	0.0010	0.0005	N
						5.0					1.22	****	0.046	0.0311	0.0710	0.0060	0.0005	0.0003	NR
						10.0					0.84	****	0.050	0.0231	0.0710	0.0180	0.0050	0.0010	R
5-3-64	1/593	700	1.3	24000	49	0.0	66	160/16	CLEAR	NONE	1.49	****	0.051	0.0247	0.0800	0.0050	0.0015	0.0008	N
						5.0					0.89	****	0.055	0.0203	0.0825	0.0115	0.0060	0.0025	R
						10.0					0.34	****	0.128	0.0190	****	****	****	****	**
5-3-64	2/594	719	1.4	24000	49	0.0	67	160/16	CLEAR	NONE	1.66	****	0.047	0.0253	0.0765	0.0045	0.0040	0.0005	NR
						5.0					1.19	****	0.045	0.0213	0.0755	0.0025	0.0020	0.0015	N
						10.0					1.02	****	0.050	0.0160	0.0775	0.0080	0.0065	0.0050	NP
5-4-64	1/600	700	1.4	24000	49	0.0	68	150/15	OVCST	NONE	1.27	****	0.048	0.0277	0.0765	0.0055	0.0010	0.0005	N
						5.0					0.96	****	0.055	0.0237	0.0790	0.0135	0.0060	0.0025	R
						10.0					0.65	****	0.059	0.0195	****	0.0230	0.0150	0.0100	R
5-4-64	2/601	720	1.4	24000	49	0.0	69	150/15	OVCST	NONE	1.71	****	0.030	0.0223	0.0750	0.0050	0.0030	0.0010	NP
						5.0					1.30	****	0.049	0.0212	0.0760	0.0045	0.0015	0.0015	NR
						10.0					0.49	****	0.053	0.0172	0.0815	0.0090	0.0055	0.0035	NR
5-4-64	3/602	859	1.4	24000	49	0.0	74	180/14	SCATD	NONE	0.97	****	0.051	0.0233	0.0765	0.0070	0.0025	0.0015	NR
						5.0					1.03	****	0.046	0.0237	0.0760	0.0060	0.0030	0.0020	NR
						10.0					0.75	****	0.060	0.0222	0.0820	0.0060	0.0035	0.0025	NR
5-4-64	4/603	920	1.5	24000	49	0.0	75	180/14	SCATD	NONE	1.62	****	0.041	0.0264	0.0710	0.0045	0.0020	0.0005	NP
						5.0					1.14	****	0.039	0.0277	0.0700	0.0070	0.0020	0.0010	NR
						10.0					1.07	****	0.043	0.0261	0.0755	0.0040	0.0035	0.0025	NP
5-4-64	5/604	1100	1.4	24000	49	0.0	80	190/17	SCATD	NONE	1.23	****	0.041	0.0193	0.0770	0.0080	0.0050	0.0030	NR
						5.0					1.16	****	0.041	0.0263	0.0770	0.0175	0.0115	0.0060	R
						10.0					0.39	****	0.064	0.0191	****	0.0080	0.0055	0.0035	R
5-4-64	6/605	1120	1.5	24000	49	0.0	80	190/17	SCATD	NONE	1.13	****	0.050	0.0264	0.0745	0.0050	0.0020	0.0010	N
						5.0					1.30	****	0.045	0.0245	0.0735	0.0040	0.0025	0.0015	N
						10.0					0.78	****	0.053	0.0209	0.0800	0.0100	0.0060	0.0040	NR
5-4-64	7/606	1300	1.4	24000	49	0.0	84	160/22	SCATD	NONE	0.88	****	0.055	0.0240	0.0730	0.0155	0.0035	0.0010	NR
						5.0					0.75	****	0.059	0.0187	0.0715	0.0120	0.0020	0.0015	R
						10.0					0.80	****	0.058	0.0188	****	****	****	****	**
5-4-64	8/607	1319	1.4	24000	49	0.0	84	160/22	SCATD	NONE	0.95	****	0.048	0.0237	0.0730	0.0055	0.0010	0.0005	NR
						5.0					1.55	****	0.042	0.0268	0.0725	0.0045	0.0020	0.0010	N
						10.0					0.72	****	0.057	0.0161	0.0800	0.0065	0.0020	0.0010	N
5-5-64	1/608	700	1.4	24000	49	0.0	70	160/18	OVCST	NONE	1.94	****	0.044	0.0326	0.0790	0.0035	0.0020	0.0015	NP
						5.0					1.01	****	0.051	0.0177	0.0775	0.0085	0.0045	0.0020	R
						10.0					****	****	****	****	****	****	****	****	**
5-5-64	2/609	720	1.5	24000	49	0.0	71	160/18	OVCST	NONE	0.65	****	0.051	0.0195	0.0720	0.0150	0.0045	0.0020	R
						5.0					1.33	****	0.042	0.0258	****	0.0090	0.0020	0.0010	N
						10.0					1.04	****	0.059	0.0322	0.0810	0.0125	0.0090	0.0060	**
5-5-64	3/610	904	1.5	24000	49	0.0	73	180/18	OVCST	NONE	1.30	****	0.046	0.0284	0.0720	0.0070	0.0045	0.0020	N
						5.0					1.56	****	0.028	0.0250	0.0720	0.0070	0.0045	0.0025	**
						10.0					0.99	****	0.053	0.0201	0.0790	0.0070	0.0040	0.0025	NR

TABLE VIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE OF 26,000 TO 27,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/ knots	Cover	Precip.	Delta Po lb/ sq ft	Delta Pi lb/ sq ft	Delta to sec	Delta Io lb-sec/ sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-5-64	4/611	920	1.5	24000	49	0.0	73	180/18	OVCST	NONE	0.97	****	0.057	0.0286	0.0770	0.0100	0.0070	0.0045	R
						5.0					0.71	****	0.055	0.0210	0.0770	0.0105	0.0075	0.0060	R
						10.0					1.12	****	0.046	0.0267	****	0.0180	0.0140	0.0100	**
5-5-64	5/612	1100	1.5	24000	49	0.0	76	180/20	OVCST	NONE	2.19	****	0.049	0.0282	0.0730	0.0065	0.0055	0.0050	P
						5.0					1.40	****	0.030	0.0280	0.0735	0.0060	0.0040	0.0025	NR
						10.0					0.95	****	0.046	0.0201	0.0810	0.0100	0.0075	0.0050	**
5-5-64	6/613	1120	1.5	24000	49	0.0	76	180/20	OVCST	NONE	0.67	****	0.051	0.0253	0.0745	0.0050	0.0025	0.0015	R
						5.0					0.90	****	0.052	0.0238	0.0735	0.0160	0.0070	0.0040	R
						10.0					0.45	****	0.063	0.0155	****	0.0200	0.0070	0.0055	R
5-5-64	7/614	1258	1.5	24000	49	0.0	75	160/24	OVCST	NONE	1.62	****	0.050	0.0270	0.0740	0.0040	0.0020	0.0010	NP
						5.0					0.99	****	0.050	0.0249	0.0770	0.0105	0.0060	0.0035	R
						10.0					2.08	****	0.030	0.0296	0.0830	0.0070	0.0030	0.0020	P

TABLE X.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE OF 21,000 TO 23,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-1-64	5/581	1100	1.3	23000	49	0.0 5.0 10.0	70	160/14	BROKN	H	0.74 0.62 0.32	**** **** ****	0.056 0.042 0.078	0.0165 0.0129 0.0118	**** **** ****	0.0055 0.0075 ****	0.0015 0.0055 ****	0.0010 0.0045 ****	C R **
5-1-64	6/582	1119	1.3	23000	49	0.0 5.0 10.0	71	160/14	BROKN	H	0.67 0.80 0.23	**** **** ****	0.054 0.055 0.062	0.0180 0.0141 0.0086	0.0740 0.0715 ****	0.0080 0.0040 ****	0.0045 0.0020 ****	0.0025 0.0015 ****	R ** **
5-1-64	7/583	1259	1.3	23000	49	0.0 5.0 10.0	72	140/18	BROKN	H	1.34 1.11 0.50	**** **** ****	0.053 0.037 0.065	0.0327 0.0243 0.0194	0.0810 0.0805 ****	0.0055 0.0120 ****	0.0030 0.0035 ****	0.0010 0.0020 ****	NR NR R
5-1-64	8/584	1320	1.3	23000	49	0.0 5.0 10.0	73	140/18	BROKN	H	1.39 1.59 0.60	**** **** ****	0.051 0.033 0.052	0.0239 0.0301 0.0185	0.0730 0.0750 ****	0.0025 0.0055 0.0150	0.0020 0.0030 0.0090	0.0015 0.0025 0.0070	C NR R
5-2-64	1/585	700	1.3	23000	49	0.0 5.0 10.0	54	140/9	CLEAR	NONE	**** 1.22 1.32	**** **** ****	**** 0.050 0.040	**** 0.0188 0.0208	**** 0.0810 0.0900	**** 0.0015 0.0060	**** 0.0005 0.0035	**** 0.0005 0.0020	**** N NP
5-2-64	2/586	720	1.4	23000	49	0.0 5.0 10.0	56	140/9	CLEAR	NONE	**** 1.36 1.06	**** **** ****	**** 0.039 0.046	**** 0.0272 0.0283	**** 0.0800 0.0910	**** 0.0020 0.0105	**** 0.0010 0.0020	**** 0.0008 0.0015	**** N NR
5-2-64	3/587	900	1.3	23000	49	0.0 5.0 10.0	65	180/12	BROKN	NONE	**** 2.48 1.27	**** **** ****	**** 0.033 0.054	**** 0.0296 0.0229	**** 0.0825 0.0900	**** 0.0020 0.0080	**** 0.0010 0.0075	**** 0.0005 0.0070	**** NP P
5-2-64	4/588	919	1.4	23000	49	0.0 5.0 10.0	65	180/12	BROKN	NONE	**** 1.68 1.43	**** **** ****	**** 0.043 0.042	**** 0.0274 0.0268	**** 0.0685 0.0780	**** 0.0065 0.0065	**** 0.0035 0.0020	**** 0.0020 0.0018	**** N NP
5-2-64	5/589	1100	1.3	23000	49	0.0 5.0 10.0	70	190/11	SCATD	NONE	1.21 1.33 0.88	**** **** ****	0.056 0.038 0.049	0.0302 0.0203 0.0204	0.0825 0.0815 0.0890	0.0060 0.0030 0.0120	0.0020 0.0010 0.0075	0.0015 0.0005 0.0070	N ** NR
5-2-64	6/590	1119	1.3	23000	49	0.0 5.0 10.0	71	190/11	SCATD	NONE	1.07 1.66 1.70	**** **** ****	0.050 0.044 0.037	0.0258 0.0295 0.0253	0.0760 0.0735 0.0790	0.0080 0.0025 0.0050	0.0035 0.0010 0.0015	0.0015 0.0008 0.0010	NR N P
5-2-64	7/591	1259	1.4	23000	49	0.0 5.0 10.0	76	160/12	CLEAR	NONE	1.07 1.54 1.55	**** **** ****	0.052 0.031 0.044	0.0284 0.0261 0.0242	0.0760 0.0750 0.0830	0.0110 0.0035 0.0070	0.0015 0.0015 0.0060	0.0010 0.0010 0.0055	NR N P
5-2-64	8/592	1320	1.4	23000	49	0.0 5.0 10.0	77	160/12	CLEAR	NONE	1.07 1.75 1.10	**** **** ****	0.048 0.044 0.058	0.0360 0.0249 0.0251	0.0745 0.0700 0.0830	0.0070 0.0020 0.0050	0.0050 0.0010 0.0035	0.0020 0.0005 0.0025	NR NP NP
5-6-64	1/615	659	1.3	23000	49	0.0 5.0 10.0	67	180/7	BROKN	NONE	1.33 1.07 0.39	**** **** ****	0.046 0.034 0.056	0.0278 0.0208 0.0123	0.0750 0.0800 0.0820	0.0050 0.0125 0.0080	0.0020 0.0040 0.0045	0.0010 0.0030 0.0025	N R R
5-6-64	2/616	724	1.6	23000	49	0.0 5.0 10.0	68	180/7	BROKN	NONE	1.43 1.07 0.70	**** **** ****	0.044 0.037 0.045	0.0301 0.0339 0.0177	0.0690 0.0700 0.0760	0.0055 0.0140 0.0125	0.0025 0.0055 0.0080	0.0015 0.0040 0.0045	N R R
5-6-64	3/617	900	1.3	23000	49	0.0 5.0 10.0	74	210/15	SCATD	NONE	1.33 1.53 0.41	**** **** ****	0.045 0.034 0.065	0.0284 0.0247 0.0160	0.0740 0.0770 ****	0.0065 0.0070 0.0170	0.0025 0.0030 0.0120	0.0015 0.0020 0.0070	N N R
5-6-64	4/618	919	1.3	23000	49	0.0 5.0 10.0	75	210/15	SCATD	NONE	1.26 1.19 0.83	**** **** ****	0.047 0.035 0.043	0.0288 0.0275 0.0202	0.0730 0.0760 0.0820	0.0050 0.0065 0.0120	0.0030 0.0035 0.0050	0.0010 0.0020 0.0030	N NR NR

TABLE X.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE A
FOR AN ALTITUDE RANGE OF 21,000 TO 23,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-6-64	5/619	1059	1.3	23000	49	0.0	78	220/10	SCATD	NONE	1.67	****	0.044	0.0285	0.0730	0.0045	0.0015	0.0005	NP
						5.0					1.71	****	0.032	0.0287	0.0750	0.0055	0.0025	0.0015	N
						10.0					0.95	****	0.055	0.0317	****	0.0190	0.0145	0.0115	NR
5-6-64	6/620	1119	1.5	23000	49	0.0	79	220/10	SCATD	NONE	1.23	****	0.041	0.0259	0.0645	0.0085	0.0045	0.0035	NR
						5.0					1.87	****	0.039	0.0292	0.0660	0.0025	0.0020	0.0013	N
						10.0					1.19	****	0.045	0.0220	0.0690	0.0065	0.0040	0.0030	N
5-6-64	7/621	1259	1.3	23000	49	0.0	83	190/14	SCATD	NONE	1.04	****	0.051	0.0260	0.0750	0.0150	0.0090	0.0050	R
						5.0					1.28	****	0.046	0.0236	0.0775	0.0090	0.0060	0.0050	R
						10.0					1.02	****	0.042	0.0150	0.0780	0.0070	0.0040	0.0025	**
5-6-64	8/622	1319	1.5	23000	49	0.0	83	190/14	SCATD	NONE	1.16	****	0.049	0.0312	0.0705	0.0080	0.0035	0.0020	R
						5.0					0.59	****	0.052	0.0177	0.0690	0.0135	0.0060	0.0040	R
						10.0					1.33	****	****	****	****	****	****	****	**
5-7-64	1/623	659	1.5	21000	49	0.0	70	170/12	OVCST	NONE	1.40	****	0.044	0.0272	0.0715	0.0060	0.0020	0.0010	N
						5.0					1.10	****	0.039	0.0267	0.0725	0.0120	0.0065	0.0050	R
						10.0					0.71	****	0.056	0.0197	0.0825	0.0250	0.0140	0.0055	R
5-7-64	2/624	719	1.5	21000	49	0.0	70	170/12	OVCST	NONE	1.21	****	0.048	0.0247	0.0710	0.0060	0.0030	0.0015	NR
						5.0					1.92	****	0.033	0.0299	0.0715	0.0045	0.0035	0.0015	NP
						10.0					0.92	****	0.043	0.0196	0.0810	0.0155	0.0105	0.0060	NR
5-7-64	3/625	900	1.5	21000	49	0.0	72	160/12	OVCST	NONE	0.77	****	0.054	0.0233	0.0700	0.0075	0.0050	0.0035	R
						5.0					1.69	****	0.032	0.0278	0.0730	0.0075	0.0030	0.0015	NR
						10.0					0.39	****	0.072	0.0119	****	****	****	****	R
5-7-64	4/626	1100	1.4	21000	49	0.0	75	160/15	OVCST	NONE	1.57	****	0.046	0.0333	0.0730	0.0070	0.0025	0.0020	N
						5.0					1.16	****	0.032	0.0243	0.0720	0.0100	0.0050	0.0020	R
						10.0					0.25	****	0.079	0.0129	****	****	****	****	R
5-7-64	5/627	1120	1.4	21000	49	0.0	75	160/15	OVCST	NONE	1.64	****	0.052	0.0273	0.0730	0.0110	0.0055	0.0040	C
						5.0					3.70	****	0.022	****	0.0745	0.0025	0.0015	0.0005	P
						10.0					0.89	****	0.078	0.0351	****	0.0450	0.0370	0.0280	R
5-7-64	6/628	1301	1.4	21000	49	0.0	76	160/14	OVCST	NONE	1.93	****	0.029	0.0287	****	****	****	****	NP
						5.0					1.32	****	0.047	0.0209	0.0740	0.0045	0.0010	0.0005	N
						10.0					1.56	****	0.055	0.0177	0.0790	0.0070	0.0050	0.0040	**

TABLE XI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 45,000 AND 46,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pl lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-19-64	1/698	700	1.4	46000	49	0.0 5.0 10.0	67	160/9	CLEAR	NONE	0.89 1.05 1.21	**** **** ****	0.087 0.081 0.082	0.0449 0.0485 0.0475	0.1350 0.1380 0.1380	0.0070 0.0130 0.0055	0.0020 0.0020 0.0025	0.0015 0.0010 0.0010	NR NR N
5-19-64	2/699	719	1.4	46000	49	0.0 5.0 10.0	68	160/9	CLEAR	NONE	1.10 1.10 1.61	**** **** ****	0.086 0.086 0.080	0.0457 0.0603 0.0425	0.1350 0.1360 0.1410	0.0050 0.0190 0.0060	0.0020 0.0020 0.0030	0.0005 0.0005 0.0020	NR NR NP
5-19-64	3/700	900	1.4	46000	49	0.0 5.0 10.0	76	180/10	SCATD	NONE	1.28 0.84 0.72	**** **** ****	0.083 0.111 0.105	0.0550 0.0624 0.0422	0.1350 0.1410 ****	0.0125 0.0140 ****	0.0070 0.0030 0.0300	0.0030 0.0015 0.0220	NR R R
5-19-64	4/701	919	1.4	46000	49	0.0 5.0 10.0	76	180/10	SCATD	NONE	**** 1.75 1.84	**** **** ****	**** 0.072 0.072	**** 0.0600 0.0678	**** 0.1295 0.1350	**** 0.0065 0.0055	**** 0.0030 0.0020	**** 0.0010 0.0010	**** NP NP
5-19-64	5/702	1101	1.4	46000	49	0.0 5.0 10.0	80	200/12	SCATD	NONE	1.00 1.52 2.38	**** **** ****	0.090 0.075 0.130	0.0386 0.0528 0.1143	0.1390 0.1410 ****	0.0035 0.0010 0.0810	0.0010 0.0008 0.0760	0.0005 0.0005 0.0700	NP NP C
5-19-64	6/703	1121	1.4	46000	49	0.0 5.0 10.0	81	200/12	SCATD	NONE	0.89 1.94 0.95	**** **** ****	0.085 0.080 0.104	0.0411 0.0599 0.0456	0.1345 0.1400 ****	0.0110 0.0060 0.0465	0.0040 0.0055 0.0170	0.0020 0.0050 0.0115	NR C C
5-19-64	7/704	1300	1.4	46000	49	0.0 5.0 10.0	82	180/13	BROKN	NONE	1.42 1.21 0.81	**** **** ****	0.088 0.087 0.090	0.0444 0.0570 0.0473	**** 0.1245 0.1340	0.0230 0.0200 0.0045	0.0200 0.0120 0.0015	0.0115 0.0075 0.0010	C C **
5-19-64	8/705	1319	1.4	46000	49	0.0 5.0 10.0	82	180/13	BROKN	NONE	0.94 0.79 1.87	**** **** ****	0.079 0.088 0.087	0.0405 0.0430 0.0449	0.1320 0.1305 ****	0.0200 0.0245 0.0280	0.0070 0.0080 0.0255	0.0035 0.0035 0.0230	NR R C
5-20-64	1/706	701	1.5	46000	49	0.0 5.0 10.0	67	160/5	SCATD	NONE	1.09 1.11 0.93	**** **** ****	0.075 0.066 0.079	0.0472 0.0420 0.0463	0.1260 0.1270 0.1320	0.0190 0.0035 0.0060	0.0100 0.0010 0.0020	0.0040 0.0005 0.0015	NR NR NR
5-20-64	2/707	725	1.5	46000	49	0.0 5.0 10.0	69	160/5	SCATD	NONE	1.07 1.04 1.13	**** **** ****	0.086 0.084 0.077	0.0467 0.0484 0.0389	0.1330 0.1335 0.1390	0.0060 0.0085 0.0045	0.0005 0.0010 0.0030	0.0001 0.0005 0.0015	N N N
5-20-64	3/708	858	1.5	46000	49	0.0 5.0 10.0	78	200/10	SCATD	NONE	1.11 1.71 1.55	**** **** ****	0.072 0.067 0.071	0.0437 0.0522 0.0549	0.1270 0.1270 0.1280	0.0125 0.0055 0.0020	0.0020 0.0035 0.0010	0.0005 0.0030 0.0005	NR NP N
5-20-64	4/709	922	1.5	46000	49	0.0 5.0 10.0	79	200/10	SCATD	NONE	1.16 1.18 1.23	**** **** ****	0.071 0.068 0.076	0.0456 0.0473 0.0421	0.1260 0.1275 0.1270	0.0055 0.0050 0.0080	0.0020 0.0010 0.0030	0.0010 0.0005 0.0010	N N N
5-20-64	5/710	1059	1.5	46000	49	0.0 5.0 10.0	83	200/11	SCATD	NONE	1.00 1.40 1.22	**** **** ****	0.088 0.086 0.098	0.0483 0.0523 0.0503	0.1365 0.1340 0.1400	0.0050 0.0100 0.0120	0.0030 0.0013 0.0090	0.0015 0.0005 0.0070	NR NR **
5-20-64	6/711	1120	1.5	46000	49	0.0 5.0 10.0	83	200/11	SCATD	NONE	0.89 1.71 1.56	**** **** ****	0.090 0.074 0.072	0.0382 0.0567 0.0529	0.1285 0.1310 0.1290	0.0100 0.0110 0.0075	0.0060 0.0030 0.0050	0.0045 0.0025 0.0040	C NP NP
5-20-64	7/712	1300	1.5	46000	49	0.0 5.0 10.0	85	180/9	SCATD	NONE	0.96 1.14 1.20	**** **** ****	0.088 0.084 0.077	0.0453 0.0438 0.0425	0.1330 0.1320 0.1350	0.0070 0.0080 0.0180	0.0045 0.0030 0.0120	0.0010 0.0015 0.0060	NR NR NR
5-20-64	8/713	1322	1.5	46000	49	0.0 5.0 10.0	85	180/9	SCATD	NONE	1.22 0.67 0.77	**** **** ****	0.079 0.096 0.088	0.0397 0.0331 0.0342	0.1295 0.1280 0.1380	0.0070 0.0105 0.0085	0.0030 0.0090 0.0060	0.0025 0.0060 0.0035	N R R

TABLE XI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 45,000 AND 46,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-21-64	1/714	700	1.5	46000	49	0.0 5.0 10.0	66	160/8	OVCST	NONE	1.27 1.48 1.46	**** **** ****	0.083 0.076 0.085	0.0525 0.0582 0.0578	0.1320 0.1335 0.1450	0.0040 0.0055 0.0075	0.0010 0.0010 0.0030	0.0001 0.0005 0.0020	N N NP
5-21-64	2/715	719	1.5	46000	49	0.0 5.0 10.0	67	160/8	OVCST	NONE	1.36 1.21 1.31	**** **** ****	0.079 0.070 0.073	0.0581 0.0457 0.0419	0.1290 0.1295 0.1330	0.0080 0.0080 0.0035	0.0035 0.0010 0.0015	0.0010 0.0008 0.0005	NR NR N
5-21-64	3/716	900	1.5	46000	49	0.0 5.0 10.0	76	200/9	OVCST	NONE	1.24 1.41 1.27	**** **** ****	0.090 0.071 0.076	0.0511 0.0518 0.0503	0.1330 0.1345 0.1350	0.0070 0.0075 0.0070	0.0020 0.0020 0.0030	0.0005 0.0005 0.0015	NR N N
5-21-64	4/717	921	1.5	46000	49	0.0 5.0 10.0	77	200/9	OVCST	NONE	1.01 1.28 1.06	**** **** ****	0.078 0.073 0.078	0.0485 0.0451 0.0455	0.1260 0.1290 0.1300	0.0090 0.0030 0.0085	0.0015 0.0010 0.0030	0.0005 0.0005 0.0025	NR N N
5-21-64	5/718	1101	1.5	46000	49	0.0 5.0 10.0	81	200/15	SCATD	NONE	1.01 1.85 1.11	**** **** ****	0.106 0.094 0.097	0.0525 0.0560 0.0648	0.1460 0.1430 ****	0.0200 0.0105 0.0285	0.0050 0.0065 0.0085	0.0035 0.0055 0.0070	NR NP R
5-21-64	6/719	1122	1.5	46000	49	0.0 5.0 10.0	82	200/15	SCATD	NONE	1.29 1.57 0.90	**** **** ****	0.081 0.065 0.118	0.0527 0.0559 0.0460	0.1325 0.1350 ****	0.0055 0.0285 0.0305	0.0020 0.0110 0.0180	0.0015 0.0045 0.0155	N NR **
5-21-64	7/720	1300	1.5	46000	49	0.0 5.0 10.0	84	190/15	SCATD	NONE	1.03 0.77 0.59	**** **** ****	0.092 0.103 0.098	0.0584 0.0464 0.0253	0.1395 **** ****	0.0215 0.0040 0.0220	0.0110 0.0020 0.0155	0.0075 0.0015 0.0090	R ** **
5-21-64	8/721	1321	1.5	46000	49	0.0 5.0 10.0	84	190/15	SCATD	NONE	1.22 1.37 2.23	**** **** ****	0.084 0.091 0.083	0.0508 0.0461 0.0647	0.1320 0.1350 ****	0.0060 0.0095 0.0200	0.0040 0.0075 0.0135	0.0030 0.0065 0.0090	N NP P
5-22-64	1/722	659	1.5	46000	49	0.0 5.0 10.0	67	180/7	CLEAR	NONE	1.22 1.24 1.49	**** **** ****	0.080 0.070 0.093	0.0575 0.0513 0.0547	0.1300 0.1300 ****	0.0040 0.0140 0.0380	0.0015 0.0020 0.0340	0.0005 0.0010 0.0160	N NR C
5-22-64	2/723	721	1.5	46000	49	0.0 5.0 10.0	68	180/7	CLEAR	NONE	0.98 0.98 0.89	**** **** ****	0.098 0.078 0.085	0.0458 0.0434 0.0389	0.1300 0.1295 0.1300	0.0050 0.0080 0.0060	0.0015 0.0025 0.0025	0.0005 0.0015 0.0015	N NR N
5-23-64	7/736	1300	1.5	46000	49	0.0 5.0 10.0	84	180/20	BROKN	NONE	2.41 1.18 0.70	**** **** ****	0.077 0.086 0.089	0.0599 0.0493 0.0339	0.1330 0.1350 0.1350	0.0120 0.0055 0.0130	0.0060 0.0040 0.0060	0.0050 0.0035 0.0040	P NP NR
5-23-64	8/737	1320	1.5	46000	49	0.0 5.0 10.0	84	180/20	BROKN	NONE	0.93 0.98 1.19	**** **** ****	0.100 0.067 0.086	0.0530 0.0407 0.0437	0.1300 0.1260 0.1330	0.0190 0.0160 0.0120	0.0090 0.0085 0.0085	0.0055 0.0035 0.0065	R R NP
5-27-64	8/767	1318	1.5	46000	49	0.0 5.0 10.0	82	200/27	SCATD	NONE	1.26 2.10 0.55	**** **** ****	0.082 0.072 0.100	0.0533 0.0643 0.0350	0.1290 **** ****	0.0180 0.0275 0.0480	0.0080 0.0255 0.0300	0.0055 0.0160 0.0055	NR C R
7-23-64	7/1197	1300	1.5	45000	49	0.0 5.0 10.0	101	200/5	SCATD	NONE	0.48 0.91 ****	**** **** ****	0.107 0.126 ****	0.0199 0.0507 ****	**** **** ****	**** **** ****	**** **** ****	**** **** ****	C R **
7-23-64	8/1198	1320	1.5	45000	49	0.0 5.0 10.0	101	200/5	SCATD	NONE	0.96 1.45 1.25	**** **** ****	0.096 0.070 0.111	0.0440 0.0491 0.0571	**** 0.1350 ****	0.0340 0.0115 0.0460	0.0040 0.0105 0.0440	0.0030 0.0075 0.0350	C C C
7-24-64	7/1205	1300	1.5	45000	49	0.0 5.0 10.0	103	220/8	SCATD	NONE	0.38 1.07 0.41	**** **** ****	0.106 0.103 0.233	0.0205 0.0469 0.0514	**** 0.1420 ****	**** 0.0320 ****	**** 0.0070 ****	**** 0.0055 ****	R R **

TABLE XI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 45,000 AND 46,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/ knots	Cover	Precip.	Delta Po lb/ sq ft	Delta Pi lb/ sq ft	Delta to sec	Delta Io lb-sec/ sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-24-64	8/1206	1319	1.5	45000	49	0.0 5.0 10.0	103	220/8	SCATD	NONE	1.08 3.29 0.78	**** **** ****	0.064 0.073 0.095	0.0217 0.0531 0.0467	**** 0.1335 ****	0.0115 0.0075 0.0500	0.0095 0.0050 0.0080	0.0075 0.0045 0.0055	NP P R
7-25-64	7/1213	1258	1.5	45000	49	0.0 5.0 10.0	100	140/12	SCATD	NONE	1.31 0.97 0.41	**** **** ****	0.108 0.113 0.132	0.0614 0.0614 0.0284	**** **** ****	0.0330 0.0290 ****	0.0200 0.0100 ****	0.0160 0.0050 ****	C R **
7-25-64	8/1214	1321	1.5	45000	49	0.0 5.0 10.0	100	140/12	SCATD	NONE	0.63 1.82 1.00	**** **** ****	0.083 0.078 0.088	0.0316 0.0499 0.0390	0.1310 0.1320 ****	0.0150 0.0050 0.0350	0.0065 0.0045 0.0325	0.0040 0.0035 0.0150	R P C
7-26-64	7/1221	1300	1.5	45000	49	0.0 5.0 10.0	101	140/5	SCATD	NONE	0.59 1.28 0.58	**** **** ****	0.110 0.125 0.115	0.0403 0.0537 0.0397	**** **** ****	0.0350 0.0250 0.0760	0.0325 0.0240 0.0140	0.0150 0.0230 0.0080	R ** R
7-26-64	8/1222	1319	1.5	45000	49	0.0 5.0 10.0	101	140/5	SCATD	NONE	1.09 1.36 0.94	**** **** ****	0.079 0.063 0.117	0.0444 0.0389 0.0477	0.1320 0.1310 ****	0.0150 0.0070 0.0280	0.0100 0.0030 0.0215	0.0040 0.0025 0.0180	R ** R
7-30-64	8/1253	1320	1.5	45000	49	0.0 5.0 10.0	94	160/12	CLEAR	NONE	0.98 1.23 1.36	**** **** ****	0.072 0.078 0.085	0.0400 0.0499 0.0431	0.1300 0.1300 0.1330	0.0060 0.0040 0.0065	0.0030 0.0030 0.0050	0.0025 0.0020 0.0035	NR ** NP

TABLE XII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 44,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-22-64	3/724	900	1.5	44000	49	0.0 5.0 10.0	75	210/16	SCATD	NONE	1.79	****	0.084	0.0596	0.1340	0.0060	0.0025	0.0020	NP
											1.11	****	0.089	0.0534	0.1375	0.0025	0.0020	0.0015	NP
											0.81	****	0.101	0.0492	****	0.0550	0.0130	0.0040	R
5-22-64	4/725	920	1.5	44000	49	0.0 5.0 10.0	76	210/16	SCATD	NONE	1.18	****	0.078	0.0559	0.1270	0.0150	0.0055	0.0035	NR
											1.31	****	0.071	0.0514	0.1265	0.0085	0.0015	0.0005	NR
											1.52	****	0.073	0.0498	0.1270	0.0115	0.0070	0.0040	NP
5-22-64	5/726	1058	1.5	44000	49	0.0 5.0 10.0	82	180/14	OVCST	NONE	1.97	****	0.083	0.0537	0.1360	0.0065	0.0055	0.0045	NP
											2.13	****	0.071	0.0601	****	****	****	****	P
											0.59	****	0.137	0.0418	****	0.0800	0.0680	0.0540	R
5-22-64	6/727	1118	1.5	44000	49	0.0 5.0 10.0	82	180/14	OVCST	NONE	1.20	****	0.079	0.0565	0.1260	0.0375	0.0040	0.0025	R
											0.98	****	0.087	0.0451	0.1260	0.0050	0.0035	0.0020	NR
											1.79	****	0.076	0.0495	0.1330	0.0100	0.0060	0.0035	NP
5-22-64	7/728	1300	1.5	44000	49	0.0 5.0 10.0	84	170/18	OVCST	NONE	1.45	****	0.080	0.0561	0.1335	0.0075	0.0050	0.0040	N
											1.16	****	0.073	0.0364	0.1400	0.0165	0.0110	0.0085	NR
											0.39	****	0.134	0.0295	****	****	****	****	R
5-22-64	8/729	1320	1.5	44000	49	0.0 5.0 10.0	84	170/18	OVCST	NONE	0.82	****	0.093	0.0435	0.1300	0.0150	0.0060	0.0040	R
											1.47	****	0.076	0.0518	0.1330	0.0065	0.0045	0.0030	NR
											1.54	****	0.074	0.0436	0.1350	0.0085	0.0075	0.0055	NP
5-23-64	1/730	700	1.5	44000	49	0.0 5.0 10.0	68	180/14	OVCST	F	****	****	****	****	****	****	****	****	****
											1.27	****	0.072	0.0432	0.1365	0.0055	0.0035	0.0025	NR
											0.91	****	0.091	0.0442	0.1350	0.0060	0.0050	0.0030	NR
5-23-64	2/731	721	1.5	44000	49	0.0 5.0 10.0	69	180/14	OVCST	F	1.09	****	0.095	0.0518	0.1250	0.0025	0.0020	0.0010	N
											2.49	****	0.067	0.0519	0.1290	0.0040	0.0010	0.0005	P
											0.94	****	0.088	0.0407	0.1330	0.0090	0.0075	0.0050	NR
5-23-64	3/732	859	1.5	44000	49	0.0 5.0 10.0	74	190/18	OVCST	NONE	1.20	****	0.082	0.0635	0.1285	0.0100	0.0030	0.0020	NR
											1.38	****	0.074	0.0426	0.1280	0.0075	0.0060	0.0040	NP
											1.26	****	0.080	0.0491	0.1320	0.0125	0.0090	0.0055	NP
5-23-64	4/733	919	1.5	44000	49	0.0 5.0 10.0	75	190/18	OVCST	NONE	1.76	****	0.069	0.0557	0.1240	0.0075	0.0035	0.0010	NP
											1.58	****	0.065	0.0459	0.1250	0.0060	0.0030	0.0020	NP
											2.04	****	0.075	0.0560	0.1300	****	0.0045	0.0040	P
5-23-64	5/734	1100	1.5	44000	49	0.0 5.0 10.0	80	170/17	SCATD	NONE	1.57	****	0.085	0.0630	0.1340	0.0075	0.0002	0.0001	N
											2.76	****	0.070	0.0598	0.1325	0.0055	0.0035	0.0020	P
											0.88	****	0.093	0.0455	0.1350	0.0090	0.0070	0.0040	NR
5-23-64	6/735	1121	1.5	44000	49	0.0 5.0 10.0	81	170/17	SCATD	NONE	1.34	****	0.083	0.0548	0.1285	0.0055	0.0030	0.0010	NR
											1.60	****	0.069	0.0451	0.1280	0.0045	0.0030	0.0015	NP
											1.82	****	0.076	0.0463	0.1320	0.0070	0.0040	0.0020	P
5-24-64	1/738	659	1.5	44000	49	0.0 5.0 10.0	72	200/14	SCATD	NONE	1.27	****	0.072	0.0507	0.1260	0.0050	0.0010	0.0005	N
											1.33	****	0.068	0.0495	0.1270	0.0080	0.0035	0.0015	NR
											0.54	****	0.091	0.0248	0.1330	0.0160	0.0050	0.0040	R
5-24-64	2/739	720	1.5	44000	49	0.0 5.0 10.0	73	200/14	SCATD	NONE	1.13	****	0.069	0.0417	0.1250	0.0055	0.0025	0.0005	N
											1.33	****	0.069	0.0457	0.1255	0.0045	0.0005	0.0005	N
											0.94	****	0.087	0.0474	0.1310	0.0120	0.0050	0.0030	NR
5-24-64	3/740	923	1.5	44000	49	0.0 5.0 10.0	79	170/13	BROKN	NONE	1.02	****	0.079	0.0433	0.1300	0.0030	0.0005	0.0001	N
											1.49	****	0.069	0.0463	0.1330	0.0080	0.0050	0.0025	NR
											1.44	****	0.076	0.0429	0.1340	0.0045	0.0035	0.0030	NP
5-24-64	4/741	1100	1.5	44000	49	0.0 5.0 10.0	82	190/10	SCATD	NONE	1.11	****	0.078	0.0500	****	****	****	****	NR
											0.93	****	0.085	0.0445	0.1290	0.0045	0.0020	0.0015	R
											2.15	****	0.079	0.0635	0.1300	0.0090	0.0060	0.0050	P

TABLE XII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 44,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-24-64	5/742	1300	1.5	44000	49	0.0 5.0 10.0	85	160/9	BROKN	NONE	1.63 1.29 1.26	**** **** ****	0.069 0.075 0.074	0.0458 0.0460 0.0470	0.1270 0.1270 0.1300	0.0035 0.0100 0.0180	0.0010 0.0060 0.0030	0.0005 0.0035 0.0020	NP NR NR
5-24-64	6/743	1320	1.5	44000	49	0.0 5.0 10.0	85	160/9	BROKN	NONE	1.16 1.51 1.24	**** **** ****	0.079 0.069 0.078	0.0414 0.0499 0.0423	0.1230 0.1230 0.1260	0.0050 0.0085 0.0155	0.0035 0.0055 0.0130	0.0025 0.0045 0.0070	NR NR NP
5-25-64	1/744	659	1.5	44000	49	0.0 5.0 10.0	75	160/8	OVCST	NONE	1.22 1.38 1.20	**** **** ****	0.084 0.084 0.092	0.0544 0.0568 0.0736	0.1400 0.1375 0.1370	0.0050 0.0020 0.0340	0.0020 0.0008 0.0140	0.0005 0.0005 0.0020	N N NR
5-25-64	2/745	719	1.5	44000	49	0.0 5.0 10.0	72	160/8	OVCST	NONE	1.17 1.38 0.99	**** **** ****	0.080 0.072 0.086	0.0397 0.0480 0.0491	0.1320 0.1320 0.1350	0.0045 0.0035 0.0150	0.0015 0.0010 0.0050	0.0010 0.0005 0.0020	N N NR
5-25-64	3/746	859	1.5	44000	49	0.0 5.0 10.0	80	190/10	OVCST	NONE	1.29 0.96 1.65	**** **** ****	0.073 0.077 0.075	0.0506 0.0417 0.0604	0.1280 0.1220 0.1320	0.0055 0.0035 0.0190	0.0018 0.0010 0.0110	0.0015 0.0005 0.0040	N N NR
5-25-64	5/748	1059	1.5	44000	49	0.0 5.0 10.0	88	200/13	SCATD	NONE	1.14 3.42 1.27	**** **** ****	0.067 0.067 0.078	0.0598 0.0429 0.0390	0.1310 0.1310 0.1360	0.0120 0.0035 0.0085	0.0045 0.0025 0.0070	0.0025 0.0020 0.0045	NR P NP
5-25-64	6/749	1119	1.5	44000	49	0.0 5.0 10.0	88	200/13	SCATD	NONE	1.22 1.10 0.91	**** **** ****	0.065 0.081 0.080	0.0441 0.0543 0.0409	0.1315 0.1320 0.1340	0.0160 0.0120 0.0050	0.0010 0.0055 0.0040	0.0005 0.0020 0.0025	NR C R
5-25-64	7/750	1300	1.5	44000	49	0.0 5.0 10.0	89	200/14	BROKN	NONE	1.02 1.05 0.88	**** **** ****	0.092 0.092 0.093	0.0478 0.0584 0.0399	0.1340 0.1340 0.1380	0.0045 0.0050 0.0190	0.0025 0.0025 0.0055	0.0010 0.0015 0.0040	N NR R
5-25-64	8/751	1321	1.5	44000	49	0.0 5.0 10.0	90	200/14	BROKN	NONE	1.36 1.16 1.40	**** **** ****	0.076 0.080 0.079	0.0366 0.0622 0.0431	0.1320 0.1335 0.1330	0.0025 0.0055 0.0180	0.0015 0.0020 0.0065	0.0010 0.0015 0.0055	NP N NP
5-26-64	1/752	659	1.5	44000	49	0.0 5.0 10.0	72	180/10	OVCST	NONE	1.06 1.16 1.03	**** **** ****	0.078 0.076 0.079	0.0401 0.0470 0.0446	0.1300 0.1365 0.1380	0.0055 0.0035 0.0085	0.0035 0.0015 0.0040	0.0015 0.0010 0.0015	NR N NR
5-26-64	2/753	719	1.5	44000	49	0.0 5.0 10.0	73	180/10	OVCST	NONE	1.13 1.05 0.56	**** **** ****	0.068 0.082 0.087	0.0384 0.0425 0.0349	0.1300 0.1325 0.1370	0.0090 0.0065 0.0130	0.0045 0.0035 0.0055	0.0015 0.0020 0.0035	NR NR R
5-26-64	3/754	859	1.5	44000	49	0.0 5.0 10.0	82	210/18	OVCST	NONE	1.03 1.72 1.15	**** **** ****	0.075 0.070 0.082	0.0433 0.0608 0.0493	0.1250 0.1265 0.1320	0.0050 0.0105 0.0070	0.0020 0.0030 0.0025	0.0005 0.0010 0.0015	N NR N
5-26-64	5/756	1059	1.5	44000	49	0.0 5.0 10.0	86	200/17	OVCST	NONE	1.58 1.52 2.58	**** **** ****	0.080 0.086 0.070	0.0480 0.0523 0.0587	0.1300 0.1270 0.1360	0.0065 0.0010 0.0050	0.0030 0.0010 0.0030	0.0020 0.0005 0.0025	NP NP P
5-26-64	6/757	1120	1.5	44000	49	0.0 5.0 10.0	87	200/17	OVCST	NONE	1.15 1.32 1.63	**** **** ****	0.074 0.080 0.072	0.0474 0.0476 0.0630	0.1240 0.1240 0.1300	0.0060 0.0120 0.0110	0.0015 0.0040 0.0065	0.0010 0.0030 0.0020	NR NR NR
5-26-64	7/758	1258	1.5	44000	49	0.0 5.0 10.0	89	200/15	OVCST	NONE	2.14 1.16 0.82	**** **** ****	0.074 0.096 0.097	0.0552 0.0557 0.0285	0.1370 **** ****	0.0060 0.0275 0.0715	0.0035 0.0120 0.0665	0.0020 0.0065 0.0640	NP R **
5-26-64	8/759	1319	1.5	44000	49	0.0 5.0 10.0	89	200/15	OVCST	NONE	1.18 1.36 1.13	**** **** ****	0.084 0.084 0.094	0.0439 0.0486 0.0495	0.1270 **** 0.1400	0.0065 0.0310 0.0300	0.0040 0.0210 0.0105	0.0030 0.0145 0.0080	NR C NR

TABLE XII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 44,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-27-64	1/760	658	1.5	44000	49	0.0	72	170/9	SCATD	NONE	1.38	****	0.075	0.0472	0.1220	0.0050	0.0015	0.0005	N
						5.0					1.06	****	0.082	0.0463	0.1235	0.0125	0.0015	0.0005	NR
						10.0					1.33	****	0.073	0.0482	0.1290	0.0075	0.0045	0.0030	N
5-27-64	2/761	720	1.5	44000	49	0.0	74	170/9	SCATD	NONE	1.05	****	0.076	0.0470	0.1200	0.0130	0.0035	0.0010	NR
						5.0					2.31	****	0.059	0.0486	0.1205	0.0020	0.0010	0.0002	P
						10.0					1.15	****	0.085	0.0399	0.1230	0.0030	0.0020	0.0010	N
5-27-64	3/762	859	1.5	44000	49	0.0	80	180/12	SCATD	NONE	0.75	****	0.084	0.0340	0.1280	0.0160	0.0045	0.0025	NR
						5.0					1.21	****	0.076	0.0415	0.1280	0.0055	0.0025	0.0015	NP
						10.0					1.12	****	0.085	0.0421	0.1330	0.0175	0.0050	0.0035	N
5-27-64	5/764	1059	1.5	44000	49	0.0	82	180/6	SCATD	NONE	1.24	****	0.085	0.0496	0.1300	0.0210	0.0055	0.0035	NR
						5.0					1.19	****	0.087	0.0551	0.1280	0.0250	0.0140	0.0055	R
						10.0					0.97	****	0.084	0.0425	****	0.0155	0.0140	0.0115	NR
5-27-64	6/765	1119	1.5	44000	49	0.0	82	180/6	SCATD	NONE	1.17	****	0.090	0.0470	0.1240	0.0230	0.0055	0.0030	NR
						5.0					1.15	****	0.073	0.0513	0.1305	0.0245	0.0040	0.0015	R
						10.0					1.27	****	0.081	0.0471	0.1340	0.0085	0.0060	0.0040	N
5-27-64	7/766	1258	1.5	44000	49	0.0	82	200/27	BROKN	NONE	1.14	****	0.078	0.0481	0.1300	0.0200	0.0120	0.0060	NR
						5.0					1.23	****	0.092	0.0482	****	0.0210	0.0150	0.0030	R
						10.0					1.35	****	0.100	0.0583	0.1420	0.0265	0.0170	0.0130	NR
5-28-64	1/768	658	1.5	44000	49	0.0	55	360/16	OVCST	NONE	0.79	****	0.091	0.0437	0.1240	0.0060	0.0040	0.0010	NR
						5.0					1.21	****	0.068	0.0442	0.1275	0.0060	0.0020	0.0010	NR
						10.0					0.88	****	0.083	0.0367	0.1340	0.0160	0.0090	0.0050	NR
5-28-64	2/769	721	1.5	44000	49	0.0	55	360/16	OVCST	NONE	1.16	****	0.081	0.0527	0.1200	0.0095	0.0055	0.0040	NR
						5.0					0.82	****	0.076	0.0367	0.1190	0.0125	0.0075	0.0050	NR
						10.0					0.65	****	0.100	0.0310	****	0.0085	0.0050	0.0035	**
5-28-64	3/770	859	1.5	44000	49	0.0	57	360/10	OVCST	NONE	1.30	****	0.072	0.0432	0.1190	0.0060	0.0020	0.0010	N
						5.0					1.25	****	0.070	0.0421	0.1165	0.0075	0.0050	0.0045	N
						10.0					0.90	****	0.074	0.0390	0.1200	0.0095	0.0035	0.0020	NR
5-28-64	4/772	1059	1.5	44000	49	0.0	60	10/8	OVCST	NONE	0.90	****	0.090	0.0411	0.1290	0.0090	0.0030	0.0015	NR
						5.0					1.06	****	0.076	0.0435	0.1260	0.0130	0.0025	0.0005	NR
						10.0					0.79	****	0.086	0.0365	0.1270	0.0135	0.0060	0.0040	NR
5-28-64	5/773	1119	1.5	44000	49	0.0	61	10/8	OVCST	NONE	1.07	****	0.072	0.0262	0.1290	0.0160	0.0025	0.0015	NR
						5.0					0.89	****	0.087	0.0431	0.1200	0.0220	0.0040	0.0030	NR
						10.0					1.75	****	0.070	0.0435	0.1320	0.0030	0.0020	0.0015	P
5-28-64	6/774	1259	1.5	44000	49	0.0	66	40/8	SCATD	NONE	1.13	****	0.079	0.0410	0.1240	0.0140	0.0030	0.0020	NR
						5.0					1.71	****	0.068	0.0581	0.1215	0.0125	0.0008	0.0005	NP
						10.0					2.03	****	0.069	0.0640	0.1280	0.0150	0.0050	0.0015	P
5-29-64	1/775	700	1.5	44000	49	0.0	59	80/12	OVCST	T,RW. F	0.72	****	0.173	0.0419	****	****	****	****	**
						5.0					0.49	****	0.094	0.0241	****	****	****	****	R
						10.0					0.26	****	0.120	0.0177	****	****	****	****	**
5-29-64	2/776	719	1.5	44000	49	0.0	59	80/12	OVCST	T,RW. F	0.63	****	0.100	0.0351	****	0.0200	0.0160	0.0100	C
						5.0					0.56	****	0.166	0.0321	****	****	****	****	**
						10.0					0.42	****	0.096	0.0184	****	0.0215	0.0170	0.0130	**
5-29-64	3/777	900	1.5	44000	49	0.0	59	90/8	OVCST	T,RW. F	0.49	****	0.090	0.0208	****	0.0105	0.0070	0.0030	R
						5.0					0.49	****	0.114	0.0301	****	****	****	****	R
						10.0					0.56	****	0.116	0.0196	****	0.0490	0.0440	0.0330	**
5-29-64	4/778	920	1.5	44000	49	0.0	59	90/8	OVCST	T,RW. F	0.33	****	0.098	0.0199	****	****	****	****	**
						5.0					0.80	****	0.095	0.0313	****	****	****	****	R
						10.0					0.19	****	0.158	0.0115	****	****	****	****	**

TABLE XII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 44,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-29-64	5/779	1300	1.5	44000	49	0.0	60	100/15	OVCST	RW	1.80	****	0.085	0.0522	****	0.0250	0.0215	0.0190	C
						5.0					1.53	****	0.069	0.0467	****	0.0230	0.0180	0.0155	NP
						10.0					0.66	****	0.094	0.0264	****	0.0600	0.0570	0.0500	**
5-30-64	4/783	1300	1.5	44000	49	0.0	68	50/10	BROKN	NONE	0.46	****	0.100	0.0249	****	****	****	****	R
						5.0					1.10	****	0.082	0.0507	0.1340	0.0080	0.0045	0.0030	NR
						10.0					0.66	****	0.098	0.0306	0.1410	0.0150	0.0105	0.0045	R
5-30-64	5/784	1320	1.5	44000	49	0.0	68	50/10	BROKN	NONE	1.60	****	0.069	0.0488	0.1230	0.0070	0.0035	0.0025	NR
						5.0					1.02	****	0.084	0.0457	0.1235	0.0080	0.0030	0.0010	NR
						10.0					0.33	****	0.104	0.0166	****	0.0275	0.0110	0.0075	R
5-31-64	1/785	700	1.5	44000	49	0.0	51	20/8	OVCST	-R	1.37	****	0.076	0.0527	0.1230	0.0100	0.0060	0.0040	NR
						5.0					1.55	****	0.066	0.0521	0.1240	0.0060	0.0030	0.0015	N
						10.0					1.14	****	0.078	0.0445	0.1240	0.0070	0.0040	0.0030	N
5-31-64	2/786	720	1.5	44000	49	0.0	52	20/8	OVCST	-R	1.11	****	0.092	0.0481	0.1360	0.0075	0.0065	0.0040	NR
						5.0					1.24	****	0.077	0.0442	0.1365	0.0045	0.0035	0.0030	N
						10.0					1.64	****	0.086	0.0618	0.1450	0.0110	0.0095	0.0080	NP
5-31-64	3/787	900	1.5	44000	49	0.0	55	30/10	SCATD	NONE	1.44	****	0.087	0.0516	0.1300	0.0045	0.0015	0.0010	N
						5.0					1.81	****	0.073	0.0486	0.1310	0.0020	0.0015	0.0005	NP
						10.0					1.39	****	0.079	0.0556	0.1330	0.0020	0.0010	0.0005	N
5-31-64	4/788	921	1.5	44000	49	0.0	56	30/10	SCATD	NONE	1.09	****	0.090	0.0547	0.1280	0.0180	0.0090	0.0030	NR
						5.0					2.29	****	0.068	0.0553	0.1245	0.0015	0.0010	0.0002	NP
						10.0					1.16	****	0.065	0.0505	0.1290	0.0120	0.0040	0.0020	**
5-31-64	5/789	1059	1.5	44000	49	0.0	63	20/10	SCATD	NONE	1.53	****	0.072	0.0591	0.1220	0.0150	0.0075	0.0040	NR
						5.0					1.24	****	0.077	0.0458	0.1215	0.0195	0.0130	0.0065	NR
						10.0					2.10	****	0.060	0.0641	0.1270	0.0060	0.0040	0.0025	P
5-31-64	6/790	1301	1.5	44000	49	0.0	67	40/15	BROKN	NONE	1.16	****	0.082	0.0542	0.1330	0.0075	0.0060	0.0030	NR
						5.0					1.72	****	0.078	0.0552	0.1365	0.0035	0.0025	0.0010	NP
						10.0					0.61	****	0.115	0.0382	****	0.0400	0.0310	0.0070	R
5-31-64	7/791	1321	1.5	44000	49	0.0	67	40/15	BROKN	NONE	1.48	****	0.094	0.0495	0.1300	0.0050	0.0040	0.0035	NP
						5.0					1.37	****	0.070	0.0496	0.1340	0.0105	0.0085	0.0045	NR
						10.0					0.76	****	0.106	0.0463	****	0.0420	0.0165	0.0075	R
6-1-64	1/792	659	1.5	44000	49	0.0	53	320/8	CLEAR	NONE	1.13	1.00	0.082	0.0518	0.1400	0.0050	0.0015	0.0010	NR
						5.0					1.62	****	0.080	0.0642	0.1390	0.0040	0.0005	0.0002	N
						10.0					1.69	****	****	****	0.1490	0.0050	0.0015	0.0005	**
6-1-64	2/793	721	1.5	44000	49	0.0	53	320/8	CLEAR	NONE	1.11	0.88	0.078	0.0414	0.1330	0.0045	0.0010	0.0005	NR
						5.0					1.56	****	0.074	0.0555	0.1310	0.0055	0.0005	0.0002	NR
						10.0					1.30	****	****	****	0.1340	0.0060	0.0025	0.0010	**
6-1-64	3/794	900	1.5	44000	49	0.0	64	0/0	CLEAR	NONE	1.39	1.08	0.074	0.0588	0.1280	0.0060	0.0015	0.0005	NR
						5.0					1.32	****	0.070	0.0402	0.1250	0.0065	0.0020	0.0010	NR
						10.0					1.81	****	****	****	0.1300	0.0065	0.0010	0.0005	**
6-1-64	4/795	920	1.5	44000	49	0.0	64	0/0	CLEAR	NONE	1.20	0.88	0.076	0.0517	0.1230	0.0110	0.0025	0.0010	NR
						5.0					1.40	****	0.067	0.0452	0.1210	0.0065	0.0015	0.0005	NR
						10.0					1.62	****	****	****	0.1240	0.0040	0.0010	0.0005	**
6-1-64	5/796	1100	1.5	44000	49	0.0	68	0/0	SCATD	NONE	1.27	1.03	0.077	0.0609	0.1280	0.0160	0.0010	0.0005	NR
						5.0					1.16	****	0.081	0.0502	0.1255	0.0210	0.0150	0.0010	NR
						10.0					1.31	****	****	****	0.1310	0.0100	0.0075	0.0055	**
6-1-64	6/797	1120	1.5	44000	49	0.0	68	0/0	SCATD	NONE	1.81	0.98	0.060	0.0517	0.1240	0.0060	0.0030	0.0013	N
						5.0					1.58	****	0.067	0.0536	0.1205	0.0155	0.0100	0.0040	NR
						10.0					0.96	****	****	****	0.1240	0.0180	0.0130	0.0070	**

TABLE XII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 44,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-1-64	7/798	1259	1.5	44000	49	0.0 5.0 10.0	71	310/3	SCATD	NONE	1.57	1.01	0.073	0.0582	0.1330	0.0055	0.0030	0.0010	NR
											1.23	****	0.079	0.0521	****	0.0315	0.0200	0.0070	R
											0.97	****	****	****	****	0.0430	0.0405	0.0240	**
6-1-64	8/799	1319	1.5	44000	49	0.0 5.0 10.0	71	310/3	SCATD	NONE	1.44	1.01	0.076	0.0537	0.1260	0.0125	0.0035	0.0020	NR
											1.69	****	0.071	0.0456	****	0.0180	0.0150	0.0120	C
											2.45	****	****	****	0.1200	0.0215	0.0150	0.0055	**
6-2-64	1/800	658	1.5	44000	49	0.0 5.0 10.0	58	30/11	OVCST	R	0.83	0.82	0.091	0.0394	0.1260	0.0100	0.0030	0.0015	R
											1.32	****	0.068	0.0443	0.1235	0.0180	0.0045	0.0005	C
											0.85	****	0.077	0.0348	0.1230	0.0170	0.0040	0.0020	NR
6-2-64	2/801	719	1.5	44000	49	0.0 5.0 10.0	58	30/11	OVCST	R	1.16	0.93	0.076	0.0447	0.1260	0.0150	0.0075	0.0045	R
											0.96	****	0.066	0.0400	0.1230	0.0060	0.0030	0.0015	R
											0.69	****	0.077	0.0259	****	0.0140	0.0110	0.0090	R
6-4-64	7/820	1259	1.5	44000	49	0.0 5.0 10.0	79	190/10	OVCST	NONE	0.51	0.50	0.139	0.0681	****	****	****	****	**
											0.91	****	0.094	0.0428	0.1410	0.0180	0.0055	0.0025	R
											1.02	****	0.103	0.0457	****	0.0130	0.0080	0.0060	NR
6-4-64	8/821	1319	1.5	44000	49	0.0 5.0 10.0	79	190/10	OVCST	NONE	1.08	0.83	0.076	0.0443	0.1200	0.0055	0.0025	0.0005	NR
											1.39	****	0.064	0.0331	****	0.0170	0.0110	0.0095	**
											0.93	****	0.084	0.0312	****	0.0070	0.0050	0.0040	**

TABLE XIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 42,000 AND 43,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-21-64	7/1181	1259	1.5	43000	49	0.0 5.0 10.0	99	230/15	BROKN	NONE	1.31 0.54 0.46	**** **** ****	0.105 0.132 0.195	0.0678 0.0362 0.0426	**** **** ****	0.0340 0.0125 0.0310	0.0240 0.0070 0.0280	0.0195 0.0040 0.0070	R ** **
7-21-64	8/1182	1320	1.5	43000	49	0.0 5.0 10.0	99	230/15	BROKN	NONE	1.52 1.15 0.69	**** **** ****	0.090 0.083 0.060	0.0599 0.0455 0.0261	**** **** ****	0.0315 0.0190 0.0200	0.0230 0.0110 0.0140	0.0215 0.0090 0.0110	C R **
7-22-64	7/1189	1300	1.5	43000	49	0.0 5.0 10.0	101	130/12	SCATD	NONE	1.07 1.59 1.99	**** **** ****	0.102 0.076 0.133	0.0417 0.0637 0.0861	0.1350 0.1405 ****	0.0045 0.0150 0.0920	0.0040 0.0120 0.0695	0.0030 0.0075 0.0655	** R C
7-22-64	8/1190	1319	1.5	43000	49	0.0 5.0 10.0	101	130/12	SCATD	NONE	0.86 2.23 0.45	**** **** ****	0.096 0.076 ****	0.0492 0.0698 ****	**** **** ****	0.0250 0.0325 ****	0.0100 0.0260 ****	0.0050 0.0220 ****	R C **
7-23-64	3/1193	859	1.5	43000	49	0.0 5.0 10.0	91	230/9	CLEAR	NONE	0.89 1.08 1.63	**** **** ****	0.089 0.079 0.086	0.0441 0.0543 0.0499	0.1380 0.1415 0.1450	0.0110 0.0060 0.0115	0.0010 0.0015 0.0085	0.0005 0.0005 0.0065	NR NR P
7-23-64	4/1194	920	1.5	43000	49	0.0 5.0 10.0	91	230/9	CLEAR	NONE	1.05 1.02 0.89	**** **** ****	0.082 0.088 0.100	0.0427 0.0510 0.0535	0.1350 0.1350 ****	0.0115 0.0250 0.0460	0.0020 0.0080 0.0145	0.0015 0.0045 0.0095	NR NR R
7-23-64	5/1195	1100	1.5	43000	49	0.0 5.0 10.0	98	220/7	CLEAR	NONE	1.32 **** ****	**** **** ****	0.111 **** ****	0.0497 **** ****	**** **** ****	0.0380 **** ****	0.0365 **** ****	0.0320 **** ****	C ** **
7-23-64	6/1196	1119	1.5	43000	49	0.0 5.0 10.0	98	220/7	CLEAR	NONE	0.80 1.41 2.50	**** **** ****	0.081 0.089 0.075	0.0286 0.0378 0.0523	0.1310 0.1370 ****	0.0120 0.0070 0.0165	0.0060 0.0055 0.0150	0.0030 0.0045 0.0140	NR P P
7-24-64	3/1201	859	1.5	43000	49	0.0 5.0 10.0	92	220/15	CLEAR	NONE	0.51 0.64 0.69	**** **** ****	0.075 0.094 0.083	0.0256 0.0405 0.0409	0.1400 0.1390 ****	0.0110 0.0240 0.0095	0.0025 0.0060 0.0080	0.0010 0.0020 0.0045	R R R
7-24-64	4/1202	920	1.5	43000	49	0.0 5.0 10.0	92	220/15	CLEAR	NONE	0.72 1.39 1.37	**** **** ****	0.062 0.069 0.078	0.0254 0.0485 0.0438	0.1255 0.1250 0.1290	0.0120 0.0050 0.0110	0.0040 0.0025 0.0050	0.0005 0.0010 0.0025	NR NR NR
7-24-64	5/1203	1100	1.5	43000	49	0.0 5.0 10.0	100	250/7	CLEAR	NONE	0.64 1.41 1.40	**** **** ****	0.080 0.077 0.094	0.0272 0.0532 0.0508	**** 0.1345 ****	0.0160 0.0225 0.0190	0.0100 0.0040 0.0150	0.0045 0.0025 0.0110	R NR C
7-24-64	6/1204	1119	1.5	43000	49	0.0 5.0 10.0	100	250/7	CLEAR	NONE	0.81 1.88 1.00	**** **** ****	0.063 0.086 0.109	0.0275 0.0448 0.0467	0.1280 0.1310 ****	0.0025 0.0060 0.0290	0.0020 0.0050 0.0160	0.0010 0.0045 0.0110	NR P R
7-25-64	3/1209	900	1.5	43000	49	0.0 5.0 10.0	86	140/14	SCATD	NONE	0.95 1.34 1.02	**** **** ****	0.082 0.084 0.106	0.0388 0.0580 0.0518	0.1330 0.1335 ****	0.0100 0.0090 0.0150	0.0030 0.0030 0.0115	0.0005 0.0015 0.0100	NR NR **
7-25-64	4/1210	920	1.5	43000	49	0.0 5.0 10.0	86	140/14	SCATD	NONE	0.82 1.30 1.13	**** **** ****	0.083 0.068 0.078	0.0371 0.0470 0.0318	0.1310 0.1310 0.1560	0.0095 0.0065 0.0050	0.0025 0.0035 0.0030	0.0005 0.0015 0.0020	NR NR NP
7-25-64	5/1211	1059	1.5	43000	49	0.0 5.0 10.0	95	130/12	SCATD	NONE	1.35 1.06 1.64	**** **** ****	0.084 0.080 0.080	0.0348 0.0457 0.0401	0.1315 0.1340 0.1380	0.0020 0.0105 0.0090	0.0010 0.0060 0.0050	0.0005 0.0035 0.0030	NP NR P
7-25-64	6/1212	1119	1.5	43000	49	0.0 5.0 10.0	95	130/12	SCATD	NONE	0.80 0.87 1.09	**** **** ****	0.084 0.094 0.096	0.0304 0.0392 0.0409	0.1330 **** ****	0.0275 0.0330 0.0335	0.0090 0.0170 0.0320	0.0075 0.0070 0.0160	R R C

TABLE XIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 42,000 AND 43,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-26-64	3/1217	900	1.5	43000	49	0.0	92	140/8	CLEAR	NONE	0.88	****	0.076	0.0307	0.1300	0.0060	0.0015	0.0010	NR
						5.0					1.32	****	0.068	0.0477	0.1330	0.0060	0.0005	0.0001	NR
						10.0					1.34	****	0.077	0.0497	0.1360	0.0055	0.0020	0.0015	NP
7-26-64	4/1218	919	1.5	43000	49	0.0	92	140/8	CLEAR	NONE	1.01	****	0.072	0.0371	0.1300	0.0060	0.0010	0.0008	NR
						5.0					1.45	****	0.079	0.0478	0.1300	0.0060	0.0010	0.0008	NR
						10.0					1.38	****	0.079	0.0500	0.1360	0.0045	0.0025	0.0015	NP
7-30-64	6/1215	1120	1.5	43000	49	0.0	90	160/7	CLEAR	NONE	1.62	****	0.068	0.0492	0.1290	0.0060	0.0010	0.0005	NP
						5.0					1.47	****	0.082	0.0490	0.1300	0.0075	0.0030	0.0020	NR
						10.0					2.21	****	0.074	0.0598	0.1360	0.0060	0.0050	0.0010	P
7-30-64	7/1252	1300	1.5	43000	49	0.0	94	160/12	CLEAR	NONE	1.47	****	0.070	0.0530	0.1340	0.0110	0.0040	0.0015	NR
						5.0					1.21	****	0.079	0.0513	0.1295	0.0055	0.0020	0.0005	NR
						10.0					1.38	****	0.087	0.0509	0.1390	0.0080	0.0065	0.0050	NP
5-18-64	5/694	1100	1.4	42000	49	0.0	79	200/15	CLEAR	NONE	0.96	****	0.082	0.0460	0.1275	0.0210	0.0040	0.0020	NR
						5.0					0.96	****	0.093	0.0488	0.1320	0.0035	0.0030	0.0030	**
						10.0					0.06	****	0.068	0.0015	****	****	****	****	**
5-18-64	6/695	1117	1.4	42000	49	0.0	80	200/15	CLEAR	NONE	0.96	****	0.083	0.0474	0.1285	0.0150	0.0050	0.0020	NR
						5.0					1.34	****	0.087	0.0537	0.1265	0.0155	0.0105	0.0060	NR
						10.0					2.64	****	0.102	0.0762	****	0.0390	0.0370	0.0365	C
5-18-64	7/696	1259	1.4	42000	49	0.0	81	160/14	SCATD	NONE	1.39	****	0.087	0.0551	0.1320	0.0100	0.0060	0.0035	NP
						5.0					1.23	****	0.084	0.0458	0.1370	0.0045	0.0020	0.0015	NP
						10.0					****	****	****	****	****	****	****	****	**
5-18-64	8/697	1319	1.4	42000	49	0.0	81	160/14	SCATD	NONE	1.05	****	0.083	0.0426	0.1325	0.0210	0.0060	0.0040	NR
						5.0					0.96	****	0.093	0.0334	0.1360	0.0140	0.0070	0.0060	NR
						10.0					1.32	****	0.082	0.0396	0.1370	0.0095	0.0080	0.0070	NP
5-30-64	1/780	923	1.5	42000	49	0.0	60	80/8	BROKN	F	1.16	****	0.078	0.0679	0.1200	0.0165	0.0030	0.0020	**
						5.0					2.54	****	0.070	0.0524	0.1240	0.0025	0.0015	0.0010	P
						10.0					1.62	****	0.075	0.0508	0.1300	0.0090	0.0045	0.0010	NP
5-30-64	2/781	1100	1.5	42000	49	0.0	65	300/6	BROKN	NONE	1.04	****	0.074	0.0457	0.1200	0.0065	0.0030	0.0015	NR
						5.0					1.13	****	0.080	0.0469	0.1225	0.0080	0.0030	0.0020	N
						10.0					1.51	****	0.075	0.0577	0.1300	0.0065	0.0045	0.0035	NP
5-30-64	3/782	1121	1.5	42000	49	0.0	66	300/6	BROKN	NONE	0.86	****	0.080	0.0393	0.1220	0.0080	0.0040	0.0025	NR
						5.0					1.32	****	0.069	0.0380	0.1270	0.0070	0.0025	0.0020	N
						10.0					0.47	****	0.133	0.0328	****	****	****	****	R
6-2-64	3/802	859	1.5	42000	49	0.0	56	70/10	SCATD *	-RW	1.13	0.82	0.073	0.0418	0.1220	0.0045	0.0020	0.0010	N
						5.0					1.18	****	0.073	0.0407	0.1195	0.0060	0.0010	0.0005	NP
						10.0					1.02	****	0.072	0.0315	0.1200	0.0070	0.0040	0.0025	NR
6-2-64	4/803	920	1.5	42000	49	0.0	56	70/10	SCATD	-RW	1.67	1.01	0.070	0.0548	0.1210	0.0100	0.0025	0.0010	NR
						5.0					1.27	****	0.079	0.0455	0.1190	0.0095	0.0060	0.0045	NR
						10.0					1.14	****	0.076	0.0310	0.1230	0.0080	0.0050	0.0025	NP
6-2-64	5/804	1059	1.5	42000	49	0.0	60	80/8	SCATD	NONE	1.25	0.95	0.076	0.0519	0.1240	0.0070	0.0030	0.0015	NR
						5.0					1.58	****	0.068	0.0520	0.1210	0.0060	0.0005	0.0001	NP
						10.0					0.98	****	0.072	0.0374	0.1210	0.0150	0.0080	0.0055	NR
6-2-64	6/805	1120	1.5	42000	49	0.0	60	80/8	SCATD	NONE	1.20	1.03	0.076	0.0548	0.1180	0.0050	0.0025	0.0015	NR
						5.0					1.12	****	0.067	0.0446	0.1170	0.0120	0.0040	0.0005	NR
						10.0					1.28	****	0.070	0.0377	0.1210	0.0050	0.0015	0.0010	NP
6-3-64	1/806	659	1.5	42000	49	0.0	60	140/8	BROKN	NONE	1.75	1.12	0.071	0.0590	0.1260	0.0090	0.0045	0.0030	NR
						5.0					1.75	****	0.065	0.0563	0.1220	0.0045	0.0005	0.0001	N
						10.0					1.72	****	0.071	0.0483	0.1260	0.0015	0.0008	0.0005	P

TABLE XIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR ALTITUDES OF 42,000 AND 43,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-3-64	2/807	720	1.5	42000	49	0.0	60	140/8	BROKN	NONE	1.82	1.19	0.070	0.0606	0.1240	0.0040	0.0015	0.0005	N
						5.0					1.62	****	0.060	0.0546	0.1305	0.0060	0.0030	0.0020	NR
						10.0					1.16	****	0.076	0.0362	0.1280	0.0060	0.0020	0.0015	NP
6-3-64	3/808	859	1.5	42000	49	0.0	66	130/12	BROKN	NONE	1.96	0.97	0.069	0.0620	0.1320	0.0060	0.0025	0.0010	N
						5.0					1.18	****	0.066	0.0433	0.1300	0.0070	0.0010	0.0005	NR
						10.0					0.89	****	0.073	0.0345	0.1320	0.0055	0.0020	0.0010	NR
6-3-64	4/809	920	1.5	42000	49	0.0	66	130/12	BROKN	NONE	1.40	0.86	0.073	0.0574	0.1200	0.0055	0.0030	0.0010	NR
						5.0					1.53	****	0.065	0.0483	0.1200	0.0120	0.0010	0.0005	NR
						10.0					2.14	****	0.068	0.0457	0.1250	0.0050	0.0020	0.0010	P
6-3-64	5/810	1100	1.5	42000	49	0.0	73	150/12	SCATD	NONE	1.10	0.99	0.077	0.0504	0.1260	0.0140	0.0050	0.0015	R
						5.0					1.40	****	0.076	0.0524	0.1230	0.0035	0.0008	0.0005	NR
						10.0					1.10	****	0.088	0.0401	0.1250	0.0185	0.0090	0.0060	NR
6-3-64	6/811	1119	1.5	42000	49	0.0	73	150/12	SCATD	NONE	1.38	0.96	0.070	0.0535	0.1280	0.0045	0.0013	0.0010	NR
						5.0					1.16	****	0.063	0.0377	0.1280	0.0045	0.0030	0.0010	NR
						10.0					0.93	****	0.079	0.0446	0.1300	0.0340	0.0040	0.0030	NR
6-3-64	7/812	1300	1.5	42000	49	0.0	76	170/13	OVCST	NONE	1.21	0.82	0.080	0.0509	0.1250	0.0055	0.0025	0.0020	NR
						5.0					1.53	****	0.064	0.0485	0.1245	0.0140	0.0040	0.0025	NR
						10.0					0.96	****	0.077	0.0435	0.1240	0.0120	0.0050	0.0040	NR
6-3-64	8/813	1320	1.5	42000	49	0.0	76	170/13	OVCST	NONE	1.68	0.96	0.071	0.0494	0.1160	0.0030	0.0010	0.0005	N
						5.0					1.60	****	0.068	0.0504	0.1150	0.0040	0.0030	0.0025	NP
						10.0					1.26	****	0.069	0.0345	0.1200	0.0050	0.0040	0.0025	NP
6-4-64	5/818	1059	1.5	42000	49	0.0	77	180/13	SCATD	NONE	1.24	1.02	0.086	0.0602	0.1220	0.0055	0.0020	0.0015	NR
						5.0					1.96	****	0.061	0.0592	0.1250	0.0055	0.0025	0.0015	NP
						10.0					1.47	****	0.067	0.0455	****	****	****	****	C
6-4-64	6/819	1120	1.5	42000	49	0.0	77	180/13	SCATD	NONE	1.52	0.84	0.065	0.0467	0.1180	0.0090	0.0030	0.0020	NR
						5.0					1.48	****	0.066	0.0497	0.1180	0.0070	0.0035	0.0020	NR
						10.0					0.75	****	0.079	0.0339	0.1230	0.0075	0.0030	0.0020	R

TABLE XIV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 41,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-20-64	7/1173	1300	1.5	41000	49	0.0	94	180/15	SCATD	NONE	1.13	****	0.088	0.0480	0.1240	0.0110	0.0040	0.0020	NR
						5.0					2.00	****	0.075	0.0684	0.1240	0.0100	0.0050	0.0040	P
						10.0					0.98	****	0.080	0.0415	0.1300	0.0310	0.0050	0.0020	NR
7-20-64	8/1174	1320	1.6	41000	49	0.0	94	180/15	SCATD	NONE	2.45	****	0.069	0.0516	0.1200	0.0030	0.0015	0.0015	P
						5.0					1.96	****	0.061	0.0609	0.1220	0.0090	0.0050	0.0025	P
						10.0					1.35	****	0.085	0.0477	0.1270	0.0175	0.0130	0.0075	NP
7-21-64	3/1177	900	1.5	41000	49	0.0	88	200/15	SCATD	NONE	1.61	****	0.079	0.0586	0.1290	0.0080	0.0015	0.0010	NR
						5.0					1.30	****	0.075	0.0459	0.1295	0.0055	0.0025	0.0010	NR
						10.0					0.77	****	0.105	0.0509	****	0.0120	0.0040	0.0035	R
7-21-64	4/1178	920	1.5	41000	49	0.0	88	200/15	SCATD	NONE	1.24	****	0.078	0.0577	0.1240	0.0135	0.0070	0.0050	NR
						5.0					1.41	****	0.070	0.0526	0.1235	0.0065	0.0040	0.0015	NR
						10.0					1.25	****	0.072	0.0482	0.1300	0.0135	0.0045	0.0020	NR
7-21-64	5/1179	1059	1.5	41000	49	0.0	95	230/14	CLEAR	NONE	1.22	****	0.093	0.0541	0.1360	0.0110	0.0050	0.0035	NR
						5.0					0.82	****	0.096	0.0477	0.1350	0.0075	0.0040	0.0020	R
						10.0					1.13	****	0.100	0.0497	****	0.0380	0.0285	0.0120	C
7-21-64	6/1180	1119	1.5	41000	49	0.0	95	230/14	CLEAR	NONE	1.40	****	0.082	0.0574	0.1340	0.0150	0.0060	0.0030	NR
						5.0					1.56	****	0.086	0.0593	0.1270	0.0385	0.0150	0.0070	C
						10.0					1.58	****	0.099	0.0710	****	0.0230	0.0200	0.0170	C
7-22-64	3/1185	900	1.5	41000	49	0.0	90	210/11	CLEAR	NONE	1.45	****	0.077	0.0490	0.1330	0.0050	0.0030	0.0015	NR
						5.0					1.87	****	0.073	0.0566	0.1330	0.0020	0.0015	0.0010	NP
						10.0					1.83	****	0.077	0.0565	0.1350	0.0030	0.0020	0.0015	NP
7-22-64	4/1186	919	1.5	41000	49	0.0	90	210/11	CLEAR	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.33	****	0.073	0.0525	0.1315	0.0060	0.0020	0.0010	NR
						10.0					1.08	****	0.092	0.0501	0.1350	0.0105	0.0090	0.0055	NR
7-22-64	5/1187	1100	1.5	41000	49	0.0	97	210/13	CLEAR	NONE	1.42	****	0.082	0.0511	0.1320	0.0055	0.0030	0.0020	NR
						5.0					1.25	****	0.088	0.0600	0.1360	0.0015	0.0010	0.0005	NR
						10.0					1.47	****	0.131	0.0715	****	0.0700	0.0660	0.0630	C
7-22-64	6/1188	1120	1.5	41000	49	0.0	97	210/13	CLEAR	NONE	1.12	****	0.084	0.0493	0.1250	0.0165	0.0040	0.0030	NR
						5.0					1.12	****	0.085	0.0565	0.1290	0.0300	0.0040	0.0025	R
						10.0					****	****	****	****	****	****	****	****	**
7-23-64	1/1191	659	1.5	41000	49	0.0	77	180/9	CLEAR	NONE	1.05	****	0.075	0.0433	0.1270	0.0125	0.0015	0.0005	NR
						5.0					1.19	****	0.073	0.0473	0.1285	0.0120	0.0015	0.0005	NR
						10.0					1.33	****	0.077	0.0430	0.1360	0.0015	0.0010	0.0008	NP
7-23-64	2/1192	719	1.5	41000	49	0.0	77	180/9	CLEAR	NONE	0.80	****	0.084	0.0416	0.1310	0.0040	0.0020	0.0010	NR
						5.0					1.04	****	0.079	0.0444	0.1300	0.0030	0.0005	0.0003	NR
						10.0					0.96	****	0.082	0.0433	0.1370	0.0140	0.0025	0.0015	NR
7-24-64	1/1199	700	1.5	41000	49	0.0	79	180/7	CLEAR	NONE	0.85	****	0.064	0.0290	0.1335	0.0100	0.0020	0.0005	NR
						5.0					****	****	****	****	****	****	****	****	**
						10.0					0.98	****	0.087	0.0477	0.1400	0.0200	0.0040	0.0020	NR
7-24-64	2/1200	719	1.5	41000	49	0.0	79	180/7	CLEAR	NONE	0.76	****	0.064	0.0266	0.1270	0.0120	0.0015	0.0005	R
						5.0					1.45	****	0.071	0.0531	0.1270	0.0035	0.0010	0.0005	N
						10.0					1.33	****	0.073	0.0481	****	****	****	****	NR
7-25-64	2/1208	720	1.5	41000	49	0.0	80	160/8	CLEAR	NONE	1.03	****	0.057	0.0220	0.1260	0.0020	0.0010	0.0005	NP
						5.0					1.43	****	0.068	0.0475	0.1305	0.0055	0.0020	0.0005	NR
						10.0					1.30	****	0.079	0.0385	0.1350	0.0090	0.0050	0.0030	P
7-26-64	2/1216	719	1.5	41000	49	0.0	81	80/6	CLEAR	NONE	0.80	****	0.082	0.0407	0.1290	0.0140	0.0020	0.0010	NR
						5.0					1.23	****	0.073	0.0427	0.1320	0.0070	0.0015	0.0010	NR
						10.0					1.27	****	0.079	0.0502	0.1350	0.0045	0.0010	0.0005	NR

TABLE XIV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 41,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-27-64	3/1225	859	1.5	41000	49	0.0	80	100/18	BROKN	NONE	0.91	****	0.081	0.0348	0.1250	0.0110	0.0015	0.0005	NR
						5.0					1.14	****	0.080	0.0508	0.1270	0.0085	0.0025	0.0010	NR
						10.0					0.93	****	0.080	0.0353	0.1320	0.0260	0.0050	0.0010	R
7-27-64	4/1226	919	1.5	41000	49	0.0	80	100/18	BROKN	NONE	1.04	****	0.065	0.0338	0.1220	0.0025	0.0010	0.0005	NR
						5.0					1.29	****	0.070	0.0435	0.1230	0.0050	0.0020	0.0010	NP
						10.0					2.49	****	0.067	0.0491	****	****	****	****	P
7-27-64	5/1227	1059	1.5	41000	49	0.0	83	140/15	OVCST	NONE	****	****	****	****	****	****	****	****	**
						5.0					****	****	****	****	****	****	****	****	**
						10.0					****	****	****	****	****	****	****	****	**
7-27-64	6/1228	1120	1.5	41000	49	0.0	83	140/15	OVCST	NONE	0.64	****	0.078	0.0305	****	0.0200	0.0100	0.0060	R
						5.0					1.35	****	0.068	0.0493	0.1210	0.0025	0.0010	0.0005	N
						10.0					1.35	****	0.063	0.0385	0.1220	0.0060	0.0020	0.0015	NR
7-27-64	7/1229	1259	1.5	41000	49	0.0	93	140/15	BROKN	NONE	1.04	****	0.077	0.0383	0.1280	0.0015	0.0010	0.0005	NP
						5.0					1.18	****	0.071	0.0503	0.1275	0.0090	0.0035	0.0015	NR
						10.0					1.44	****	0.078	0.0521	0.1370	0.0120	0.0075	0.0040	NP
7-27-64	8/1230	1319	1.5	41000	49	0.0	93	140/15	BROKN	NONE	1.20	****	0.066	0.0394	0.1250	0.0110	0.0010	0.0005	NR
						5.0					1.06	****	0.074	0.0432	0.1260	0.0100	0.0035	0.0020	NR
						10.0					1.33	****	0.068	0.0344	0.1330	0.0065	0.0040	0.0030	NP
7-28-64	3/1233	900	1.5	41000	49	0.0	88	160/12	SCATD	NONE	0.90	****	0.087	0.0384	0.1290	0.0130	0.0050	0.0030	NR
						5.0					1.44	****	0.071	0.0600	0.1310	0.0065	0.0008	0.0005	NR
						10.0					1.79	****	0.077	0.0611	0.1370	0.0125	0.0050	0.0010	NR
7-28-64	4/1234	919	1.5	41000	49	0.0	88	160/12	SCATD	NONE	0.86	****	0.078	0.0353	0.1270	0.0100	0.0020	0.0005	NR
						5.0					1.66	****	0.067	0.0514	0.1250	0.0050	0.0005	0.0003	NP
						10.0					0.96	****	0.081	0.0468	0.1310	0.0115	0.0040	0.0025	NR
7-28-64	5/1235	1059	1.5	41000	49	0.0	96	160/13	SCATD	NONE	2.36	****	0.065	0.0370	0.1280	0.0030	0.0025	0.0020	P
						5.0					1.52	****	0.065	0.0459	0.1275	0.0050	0.0010	0.0005	NP
						10.0					1.13	****	0.082	0.0559	0.1260	0.0035	0.0025	0.0020	R
7-28-64	6/1236	1120	1.5	41000	49	0.0	96	160/13	SCATD	NONE	1.02	****	0.077	0.0376	0.1200	0.0150	0.0025	0.0015	NR
						5.0					1.26	****	0.074	0.0472	0.1210	0.0050	0.0035	0.0025	NR
						10.0					0.98	****	0.078	0.0417	0.1260	0.0120	0.0070	0.0020	NR
7-28-64	7/1237	1300	1.5	41000	49	0.0	101	200/14	BROKN	NONE	1.10	****	0.077	0.0395	0.1300	0.0025	0.0015	0.0010	NP
						5.0					1.09	****	0.131	0.0640	****	0.0600	0.0515	0.0420	**
						10.0					****	****	****	****	****	****	****	****	**
7-28-64	8/1238	1319	1.5	41000	49	0.0	101	200/14	BROKN	NONE	1.39	****	0.077	0.0442	0.1290	0.0030	0.0015	0.0010	NP
						5.0					****	****	****	****	****	****	****	****	**
						10.0					1.25	****	0.083	0.0344	****	0.0260	0.0230	0.0100	C
7-29-64	4/1242	1059	1.5	41000	49	0.0	84	120/9	SCATD	NONE	1.00	1.04	0.083	0.0447	****	0.0095	0.0050	0.0030	NR
						5.0					1.38	****	0.089	0.0614	0.1245	0.0085	0.0035	0.0025	C
						10.0					1.31	****	0.069	0.0474	0.1300	0.0080	0.0030	0.0015	NR
7-29-64	5/1243	1119	1.5	41000	49	0.0	84	120/9	SCATD	NONE	1.32	0.95	0.065	0.0352	0.1260	0.0010	0.0008	0.0005	NP
						5.0					1.34	****	0.065	0.0393	0.1230	0.0050	0.0010	0.0005	NR
						10.0					1.57	****	0.079	0.0547	0.1280	0.0060	0.0040	0.0020	P
7-29-64	6/1244	1259	1.5	41000	49	0.0	88	160/10	SCATD	NONE	0.79	1.00	0.082	0.0372	0.1270	0.0030	0.0010	0.0002	NR
						5.0					1.17	****	0.077	0.0481	0.1285	0.0175	0.0050	0.0025	R
						10.0					1.73	****	0.067	0.0479	0.1310	0.0090	0.0060	0.0050	P
7-29-64	7/1245	1319	1.5	41000	49	0.0	88	160/10	SCATD	NONE	1.06	1.19	0.067	0.0350	0.1260	0.0010	0.0003	0.0001	N
						5.0					1.38	****	0.083	0.0528	0.1250	0.0020	0.0008	0.0005	N
						10.0					1.47	****	0.067	0.0447	****	0.0075	0.0050	0.0015	NR

TABLE XIV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 41,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-30-64	2/1247	719	1.5	41000	49	0.0 5.0 10.0	75	170/7	CLEAR	NONE	1.24	****	0.071	0.0468	0.1290	0.0050	0.0010	0.0005	NR
											1.71	****	0.068	0.0558	0.1270	0.0055	0.0020	0.0001	NP
											1.91	****	0.073	0.0559	0.1320	0.0055	0.0010	0.0005	NP
7-30-64	3/1248	859	1.5	41000	49	0.0 5.0 10.0	82	160/8	CLEAR	NONE	1.44	****	0.068	0.0460	0.1280	0.0110	0.0020	0.0005	NR
											1.43	****	0.080	0.0460	0.1285	0.0060	0.0035	0.0015	NR
											1.40	****	0.077	0.0548	0.1340	0.0100	0.0030	0.0010	NR
7-30-64	4/1249	919	1.5	41000	49	0.0 5.0 10.0	82	160/8	CLEAR	NONE	****	****	****	****	****	****	****	****	****
											1.88	****	0.066	0.0526	0.1270	0.0030	0.0010	0.0005	NP
											1.11	****	0.080	0.0418	0.1290	0.0055	0.0020	0.0010	NR
7-30-64	5/1250	1059	1.5	41000	49	0.0 5.0 10.0	90	180/7	CLEAR	NONE	1.27	****	0.076	0.0474	0.1320	0.0115	0.0030	0.0010	NR
											1.08	****	0.085	0.0481	0.1340	0.0150	0.0015	0.0005	R
											1.68	****	0.080	0.0566	0.1390	0.0040	0.0035	0.0030	P

TABLE XV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 38,000 TO 40,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-17-64	7/689	1320	1.4	40000	49	0.0	83	190/12	CLEAR	NONE	1.64	****	0.071	0.0547	0.1280	0.0100	0.0050	0.0030	NP
						5.0					1.79	****	0.080	0.0637	0.1345	0.0175	0.0030	0.0020	NR
						10.0					****	****	****	****	****	****	****	****	**
5-18-64	3/692	901	1.4	40000	49	0.0	76	180/13	CLEAR	NONE	1.69	****	0.078	0.0463	0.1300	0.0040	0.0005	0.0005	NP
						5.0					1.16	****	0.083	0.0483	0.1315	0.0060	0.0015	0.0005	NR
						10.0					2.13	****	0.076	0.0677	0.1350	0.0070	0.0065	0.0050	P
5-18-64	4/693	922	1.4	40000	49	0.0	77	180/13	CLEAR	NONE	1.19	****	0.078	0.0458	0.1280	0.0135	0.0060	0.0040	NR
						5.0					1.28	****	0.082	0.0460	0.1305	0.0315	0.0070	0.0045	C
						10.0					1.93	****	0.140	0.0867	****	****	****	****	C
6-4-64	1/814	659	1.5	40000	49	0.0	65	180/8	OVCST	NONE	0.87	0.91	0.090	0.0406	0.1230	0.0105	0.0010	0.0002	R
						5.0					1.61	****	0.066	0.0414	****	0.0120	0.0090	0.0075	C
						10.0					0.84	****	0.081	0.0380	0.1280	0.0130	0.0070	0.0050	R
6-4-64	2/815	719	1.5	40000	49	0.0	65	180/8	OVCST	NONE	1.61	0.99	0.083	0.0518	0.1200	0.0070	0.0035	0.0015	NR
						5.0					1.35	****	0.076	0.0477	0.1210	0.0055	0.0025	0.0015	NR
						10.0					1.52	****	0.090	0.0381	****	0.0225	0.0200	0.0180	C
6-4-64	3/816	859	1.5	40000	49	0.0	71	190/12	OVCST	NONE	0.92	0.68	0.108	0.0350	****	****	****	****	C
						5.0					2.03	****	0.066	0.0543	****	0.0165	0.0160	0.0150	C
						10.0					1.67	****	0.075	0.0498	0.1360	0.0110	0.0060	0.0045	NP
6-4-64	4/817	920	1.5	40000	49	0.0	71	190/12	OVCST	NONE	1.36	1.13	0.076	0.0520	0.1150	0.0130	0.0035	0.0020	NR
						5.0					1.94	****	0.069	0.0547	0.1150	0.0100	0.0075	0.0045	NP
						10.0					0.62	****	0.096	0.0216	****	0.0240	0.0185	0.0160	C
7-22-64	1/1183	659	1.5	40000	49	0.0	81	210/8	CLEAR	NONE	1.52	****	0.077	0.0640	0.1280	0.0150	0.0050	0.0030	NR
						5.0					1.27	****	0.087	0.0519	0.1310	0.0050	0.0025	0.0015	NR
						10.0					0.56	****	0.115	0.0383	****	0.0210	0.0195	0.0110	R
7-22-64	2/1184	719	1.5	40000	49	0.0	81	210/8	CLEAR	NONE	1.12	****	0.078	0.0506	0.1260	0.0110	0.0030	0.0010	NR
						5.0					1.50	****	0.081	0.0449	0.1270	0.0015	0.0008	0.0005	N
						10.0					1.06	****	0.083	0.0477	0.1370	0.0025	0.0010	0.0010	NR
6-22-64	5/953	1100	1.5	39000	49	0.0	90	200/20	SCATD	NONE	0.89	0.90	0.082	0.0447	0.1220	0.0090	0.0030	0.0010	R
						5.0					1.19	****	0.077	0.0572	0.1250	0.0110	0.0035	0.0025	NR
						10.0					1.90	****	0.079	0.0541	0.1320	0.0070	0.0040	0.0030	P
6-22-64	6/954	1120	1.5	39000	49	0.0	90	200/20	SCATD	NONE	1.34	0.96	0.076	0.0436	0.1210	0.0050	0.0025	0.0015	NP
						5.0					2.12	****	0.064	0.0607	0.1230	0.0120	0.0050	0.0035	NP
						10.0					1.17	****	0.076	0.0520	0.1310	0.0205	0.0055	0.0030	R
6-22-64	7/955	1259	1.5	39000	49	0.0	94	190/18	SCATD *	NONE	1.13	0.93	0.073	0.0414	0.1200	0.0130	0.0030	0.0020	NR
						5.0					1.73	****	0.062	0.0517	0.1210	0.0080	0.0050	0.0035	NP
						10.0					1.22	****	0.080	0.0414	0.1280	0.0060	0.0045	0.0035	**
6-22-64	8/956	1319	1.5	39000	49	0.0	94	190/18	SCATD	NONE	0.67	0.75	0.077	0.0351	0.1170	0.0120	0.0030	0.0010	R
						5.0					1.17	****	0.080	0.0503	0.1185	0.0070	0.0060	0.0045	**
						10.0					1.38	****	0.070	0.0569	0.1270	0.0140	0.0080	0.0055	R
7-20-64	5/1171	1100	1.5	39000	49	0.0	90	190/14	CLEAR	NONE	1.62	****	0.082	0.0628	0.1285	0.0120	0.0060	0.0025	NR
						5.0					1.83	****	0.088	0.0533	0.1260	0.0100	0.0085	0.0065	P
						10.0					1.17	****	0.093	0.0485	0.1370	0.0170	0.0115	0.0050	NR
7-20-64	6/1172	1120	1.5	39000	49	0.0	90	190/14	CLEAR	NONE	1.69	****	0.069	0.0569	0.1210	0.0095	0.0015	0.0010	NR
						5.0					1.68	****	0.078	0.0518	0.1220	0.0200	0.0170	0.0155	C
						10.0					2.06	****	0.075	0.0585	0.1320	0.0190	0.0165	0.0070	P
7-21-64	1/1175	700	1.5	39000	49	0.0	78	170/10	SCATD	NONE	1.43	****	0.073	0.0541	0.1220	0.0125	0.0035	0.0020	NR
						5.0					1.36	****	0.067	0.0494	0.1245	0.0040	0.0020	0.0010	NR
						10.0					1.55	****	0.078	0.0518	0.1300	0.0015	0.0010	0.0005	NP

TABLE XV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 38,000 TO 40,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta To lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-21-64	2/1176	720	1.5	39000	49	0.0	78	170/10	SCATD	NONE	1.63	****	0.068	0.0575	0.1195	0.0115	0.0020	0.0005	NR
						5.0					2.25	****	0.063	0.0563	0.1200	0.0115	0.0020	0.0015	P
						10.0					1.23	****	0.074	0.0492	0.1280	0.0130	0.0030	0.0020	NR
7-25-64	1/1207	700	1.5	39000	49	0.0	80	160/8	CLEAR	NONE	1.10	****	0.059	0.0254	0.1285	0.0110	0.0025	0.0010	NR
						5.0					1.28	****	0.075	0.0552	0.1300	0.0100	0.0035	0.0020	NR
						10.0					1.02	****	0.091	0.0324	0.1390	0.0025	0.0015	0.0010	P
7-26-64	1/1215	659	1.5	39000	49	0.0	81	80/6	CLEAR	NONE	0.96	****	0.075	0.0394	0.1260	0.0100	0.0008	0.0005	NR
						5.0					1.28	****	0.072	0.0489	0.1290	0.0040	0.0010	0.0005	NR
						10.0					1.24	****	0.079	0.0540	0.1340	0.0055	0.0010	0.0003	NR
7-27-64	1/1223	700	1.5	39000	49	0.0	79	80/12	SCATD	NONE	0.84	****	0.078	0.0359	0.1265	0.0120	0.0080	0.0010	NR
						5.0					0.88	****	0.074	0.0381	0.1280	0.0060	0.0035	0.0015	NR
						10.0					0.56	****	0.113	0.0308	****	0.0165	0.0135	0.0025	R
7-27-64	2/1224	719	1.5	39000	49	0.0	79	80/12	SCATD	NONE	0.98	****	0.080	0.0353	0.1250	0.0025	0.0005	0.0002	NR
						5.0					1.16	****	0.064	0.0379	0.1240	0.0120	0.0035	0.0010	NR
						10.0					1.14	****	0.075	0.0435	0.1290	0.0060	0.0030	0.0015	NR
7-28-64	1/1231	700	1.5	39000	49	0.0	80	120/8	SCATD	NONE	0.93	****	0.073	0.0384	0.1320	0.0085	0.0015	0.0005	NR
						5.0					1.35	****	0.077	0.0542	0.1275	0.0250	0.0180	0.0020	NR
						10.0					1.48	****	0.080	0.0476	0.1320	0.0150	0.0120	0.0050	NR
7-28-64	2/1232	719	1.5	39000	49	0.0	80	120/8	SCATD	NONE	0.82	****	0.081	0.0397	0.1220	0.0110	0.0040	0.0005	NR
						5.0					0.96	****	0.083	0.0402	0.1220	0.0070	0.0015	0.0005	NR
						10.0					1.97	****	0.067	0.0438	0.1310	0.0015	0.0010	0.0005	NP
7-29-64	1/1239	700	1.5	39000	49	0.0	75	130/8	SCATD	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.51	****	0.086	0.0644	****	0.0415	0.0160	0.0140	C
						10.0					0.72	****	0.129	0.0496	****	0.0750	0.0570	0.0200	C
7-29-64	2/1240	719	1.5	39000	49	0.0	75	130/8	SCATD	NONE	1.00	0.64	0.077	0.0328	0.1250	0.0065	0.0020	0.0015	NR
						5.0					1.17	****	0.074	0.0449	****	0.0285	0.0120	0.0070	C
						10.0					0.92	****	0.109	0.0460	****	0.0335	0.0270	0.0070	C
7-29-64	3/1241	919	1.5	39000	49	0.0	80	60/6	BROKN	NONE	1.06	0.24	0.073	0.0403	0.1230	0.0135	0.0015	0.0010	NP
						5.0					2.08	****	0.073	0.0601	0.1230	0.0080	0.0035	0.0020	P
						10.0					1.70	****	0.078	0.0553	****	0.0190	0.0155	0.0070	C
7-30-64	1/1246	700	1.5	39000	49	0.0	75	170/7	CLEAR	NONE	1.44	****	0.070	0.0504	0.1270	0.0050	0.0010	0.0005	NR
						5.0					1.41	****	0.073	0.0541	0.1285	0.0055	0.0001	0.0001	N
						10.0					1.18	****	0.086	0.0466	0.1380	0.0055	0.0020	0.0010	NR
5-15-64	4/674	1321	1.4	38000	49	0.0	74	160/16	SCATD	NONE	1.23	****	0.079	0.0437	0.1235	0.0090	0.0010	0.0005	NR
						5.0					1.53	****	0.082	****	****	****	****	****	R
						10.0					1.50	****	0.095	0.0418	0.1340	0.0125	0.0115	0.0085	NP
5-16-64	5/679	1059	1.4	38000	49	0.0	79	200/15	CLEAR	NONE	1.24	****	0.079	0.0492	0.1260	0.0120	0.0035	0.0010	NR
						5.0					1.39	****	0.081	****	****	0.0220	0.0050	0.0035	**
						10.0					1.09	****	0.075	0.0477	0.1310	0.0110	0.0060	0.0025	NR
5-16-64	6/680	1121	1.4	38000	49	0.0	79	200/15	CLEAR	NONE	1.01	****	0.091	0.0406	0.1270	0.0060	0.0040	0.0020	R
						5.0					0.94	****	0.087	0.0461	0.1280	0.0010	0.0005	0.0005	R
						10.0					1.02	****	0.089	0.0504	0.1380	0.0270	0.0055	0.0050	NR
5-16-64	7/681	1302	1.4	38000	49	0.0	83	200/15	CLEAR	NONE	1.42	****	0.082	0.0477	0.1260	0.0080	0.0040	0.0015	NP
						5.0					2.56	****	0.065	0.0615	0.1260	0.0065	0.0020	0.0015	P
						10.0					2.00	****	0.059	0.0594	0.1310	0.0055	0.0035	0.0025	NP
5-16-64	8/682	1320	1.4	38000	49	0.0	83	200/15	CLEAR	NONE	2.00	****	0.082	0.0622	0.1360	0.0025	0.0010	0.0005	P
						5.0					2.09	****	****	****	0.1335	0.0040	0.0020	0.0015	**
						10.0					1.26	****	0.083	0.0447	0.1350	0.0245	0.0145	0.0055	NR

TABLE XV.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 38,000 TO 40,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
5-17-64	1/683	701	1.4	38000	49	0.0	64	180/8	CLEAR	NONE	1.24	****	0.071	0.0467	0.1220	0.0015	0.0005	0.0001	NR
						5.0					2.44	****	0.068	0.0595	0.1280	0.0030	0.0010	0.0005	NP
						10.0					1.61	****	0.079	0.0497	0.1365	0.0090	0.0045	0.0030	NP
5-17-64	2/684	719	1.4	38000	49	0.0	65	180/8	CLEAR	NONE	1.22	****	0.067	0.0459	0.1235	0.0050	0.0010	0.0005	N
						5.0					1.53	****	0.069	0.0526	0.1235	0.0080	0.0020	0.0010	NR
						10.0					2.00	****	0.077	0.0595	0.1310	0.0015	0.0013	0.0010	NP
5-17-64	3/685	900	1.4	38000	49	0.0	78	160/10	CLEAR	NONE	1.22	****	0.076	0.0444	0.1260	0.0060	0.0008	0.0005	N
						5.0					1.60	****	0.083	0.0527	****	****	****	****	N
						10.0					0.83	****	0.092	0.0448	0.1360	0.0200	0.0120	0.0020	NR
5-17-64	4/686	920	1.4	38000	49	0.0	78	160/10	CLEAR	NONE	0.97	****	0.083	0.0442	0.1250	0.0050	0.0010	0.0005	NR
						5.0					2.95	****	0.073	****	0.1300	0.0035	0.0010	0.0005	P
						10.0					1.40	****	0.084	0.0581	0.1370	0.0220	0.0035	0.0030	NR
5-17-64	5/687	1100	1.4	38000	49	0.0	80	180/15	CLEAR	NONE	0.99	****	0.084	0.0537	0.1260	0.0080	0.0030	0.0020	R
						5.0					2.50	****	0.069	****	****	****	****	****	NP
						10.0					2.50	****	0.079	0.0524	****	****	****	****	P
5-17-64	6/688	1121	1.4	38000	49	0.0	81	180/15	CLEAR	NONE	0.95	****	0.083	0.0458	0.1230	0.0120	0.0025	0.0010	R
						5.0					1.31	****	****	****	****	****	****	****	**
						10.0					1.67	****	0.074	0.0568	0.1280	0.0120	0.0080	0.0055	NP
5-18-64	1/690	659	1.4	38000	49	0.0	63	150/10	CLEAR	GF	1.03	****	0.086	0.0498	0.1260	0.0150	0.0035	0.0015	NR
						5.0					1.01	****	0.085	0.0486	0.1275	0.0110	0.0030	0.0015	N
						10.0					0.19	****	0.272	0.0259	****	****	****	****	**
5-18-64	2/691	720	1.4	38000	49	0.0	65	150/10	CLEAR	GF	1.23	****	0.077	0.0565	0.1250	0.0090	0.0005	0.0003	NR
						5.0					1.25	****	0.083	****	0.1260	0.0055	0.0025	0.0015	**
						10.0					1.17	****	0.082	0.0524	0.1340	0.0150	0.0100	0.0030	NR

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-15-64	5/899	1100	1.5	37000	49	0.0 5.0 10.0	83	230/12	BROKN	NONE	1.25	1.05	0.065	0.0441	0.1200	0.0045	0.0020	0.0005	NR
6-15-64	6/900	1119	1.5	37000	49	0.0 5.0 10.0	83	230/12	BROKN	NONE	1.63	****	0.067	0.0518	0.1220	0.0160	0.0045	0.0010	NR
6-15-64	7/901	1259	1.5	37000	49	0.0 5.0 10.0	86	170/10	BROKN	NONE	1.44	****	0.073	0.0419	0.1250	0.0070	0.0040	0.0020	NR
6-15-64	8/902	1317	1.5	37000	49	0.0 5.0 10.0	86	170/10	BROKN	NONE	0.95	0.92	0.077	0.0372	0.1160	0.0075	0.0040	0.0025	R
6-16-64	1/903	701	1.5	37000	49	0.0 5.0 10.0	72	170/6	OVCST	NONE	1.98	****	0.065	0.0515	0.1165	0.0025	0.0023	0.0020	NR
6-16-64	2/904	720	1.5	37000	49	0.0 5.0 10.0	72	170/6	OVCST	NONE	0.81	****	0.082	0.0360	0.1200	0.0075	0.0050	0.0020	NR
6-19-64	2/926	720	1.5	37000	49	0.0 5.0 10.0	77	180/15	CLEAR	NONE	0.91	1.17	0.077	0.0442	0.1170	0.0165	0.0060	0.0015	R
6-19-64	3/927	859	1.5	37000	49	0.0 5.0 10.0	83	180/19	CLEAR	NONE	1.31	****	0.072	0.0578	0.1175	0.0200	0.0045	0.0030	R
6-19-64	4/928	920	1.5	37000	49	0.0 5.0 10.0	83	180/19	CLEAR	NONE	2.06	****	0.065	0.0531	0.1240	0.0020	0.0015	0.0010	P
6-19-64	5/929	1059	1.5	37000	49	0.0 5.0 10.0	86	190/17	SCATD	NONE	1.17	1.05	0.066	0.0399	0.1120	0.0035	0.0010	0.0005	NR
6-19-64	6/930	1120	1.5	37000	49	0.0 5.0 10.0	86	190/17	SCATD	NONE	1.29	****	0.063	0.0384	0.1125	0.0140	0.0040	0.0020	R
6-19-64	7/931	1301	1.5	37000	49	0.0 5.0 10.0	90	180/20	CLEAR	NONE	1.92	****	0.073	0.0532	0.1200	0.0085	0.0070	0.0050	P
6-19-64	8/932	1320	1.5	37000	49	0.0 5.0 10.0	90	180/20	CLEAR	NONE	1.54	1.28	0.074	0.0473	0.1130	0.0060	0.0010	0.0005	NR
6-21-64	5/945	1100	1.5	37000	49	0.0 5.0 10.0	88	200/15	SCATD	NONE	2.25	****	0.064	0.0498	0.1160	0.0050	0.0010	0.0008	NP
6-21-64	6/946	1119	1.5	37000	49	0.0 5.0 10.0	88	200/15	SCATD	NONE	1.69	****	0.072	0.0573	0.1275	0.0065	0.0045	0.0015	NP
6-23-64	4/961	1301	1.5	37000	49	0.0 5.0 10.0	80	340/10	SCATD	NONE	1.46	1.21	0.068	0.0481	0.1130	0.0050	0.0010	0.0005	NR
											1.53	****	0.062	0.0485	0.1155	0.0065	0.0015	0.0005	NR
											2.22	****	0.067	0.0571	0.1255	0.0040	0.0025	0.0010	P
											1.35	1.11	0.068	0.0420	****	****	****	****	**
											2.08	****	0.057	0.0519	0.1130	0.0085	0.0040	0.0020	NP
											1.79	****	0.065	0.0485	0.1200	0.0110	0.0035	0.0020	NR
											1.58	1.19	0.068	0.0465	0.1170	0.0100	0.0050	0.0040	NP
											1.54	****	0.066	0.0434	0.1170	0.0080	0.0015	0.0005	NR
											1.28	****	0.090	0.0585	0.1260	0.0310	0.0190	0.0045	R
											0.97	1.02	0.072	0.0418	0.1130	0.0055	0.0015	0.0010	NR
											1.86	****	0.062	0.0537	0.1130	0.0090	0.0035	0.0010	NR
											2.30	****	0.066	0.0648	0.1180	0.0075	0.0045	0.0035	NP
											1.19	1.07	0.075	0.0441	0.1175	0.0050	0.0040	0.0020	NR
											1.60	****	0.068	0.0466	0.1165	0.0055	0.0030	0.0015	NP
											1.91	****	0.070	0.0651	0.1260	0.0105	0.0080	0.0045	NR
											1.31	1.22	0.077	0.0417	0.1180	0.0045	0.0030	0.0020	NP
											1.58	****	0.074	0.0438	0.1155	0.0050	0.0040	0.0025	NP
											2.04	****	0.088	0.0690	0.1230	0.0045	0.0040	0.0030	P
											1.71	1.19	0.067	0.0452	0.1140	0.0080	0.0055	0.0035	NP
											2.49	****	0.064	0.0554	0.1150	0.0035	0.0030	0.0025	P
											3.15	****	0.068	0.0752	0.1210	0.0060	0.0055	0.0050	P
											1.35	1.16	0.068	0.0409	0.1130	0.0070	0.0025	0.0010	NR
											1.64	****	0.062	0.0536	0.1130	0.0050	0.0030	0.0025	NR
											2.25	****	0.073	0.0472	0.1180	0.0050	0.0040	0.0030	P
											1.42	1.22	0.081	0.0417	0.1200	0.0050	0.0030	0.0005	**
											1.41	****	0.067	0.0506	0.1230	0.0025	0.0015	0.0010	NR
											1.04	****	0.075	0.0431	0.1270	0.0050	0.0025	0.0015	NR
											1.34	1.08	0.070	0.0364	0.1175	0.0070	0.0025	0.0010	**
											1.86	****	0.059	0.0526	0.1205	0.0155	0.0100	0.0010	NR
											1.11	****	0.080	0.0369	0.1280	0.0165	0.0095	0.0035	NR
											1.53	1.17	0.070	0.0569	0.1150	0.0215	0.0040	0.0030	R
											2.05	****	0.066	0.0546	0.1190	0.0020	0.0010	0.0005	NP
											1.86	****	0.071	0.0462	0.1270	0.0035	0.0030	0.0025	NP

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-23-64	5/962	1320	1.5	37000	49	0.0	80	340/10	SCATD	NONE	2.06	0.92	0.067	0.0531	0.1180	0.0050	0.0035	0.0020	NP
						5.0					1.45	****	0.078	0.0472	0.1190	0.0065	0.0010	0.0005	NR
						10.0					1.93	****	0.065	0.0497	0.1250	0.0095	0.0040	0.0035	NP
6-24-64	5/967	1100	1.5	37000	49	0.0	85	320/3	CLEAR	NONE	1.63	1.09	0.078	0.0557	0.1200	0.0070	0.0055	0.0050	NP
						5.0					1.78	****	0.062	0.0456	0.1190	0.0025	0.0015	0.0015	NP
						10.0					1.42	****	0.075	0.0480	0.1260	0.0310	0.0150	0.0065	R
6-24-64	6/968	1119	1.5	37000	49	0.0	85	320/3	CLEAR	NONE	1.35	0.94	0.077	0.0502	0.1180	0.0070	0.0050	0.0030	NR
						5.0					1.85	****	0.064	0.0542	0.1180	0.0035	0.0030	0.0020	NP
						10.0					1.27	****	0.070	0.0462	0.1230	0.0045	0.0030	0.0020	N
6-24-64	7/969	1259	1.5	37000	49	0.0	87	110/6	SCATD	NONE	2.01	0.94	0.076	0.0560	0.1180	0.0045	0.0040	0.0035	NP
						5.0					1.89	****	0.061	0.0576	0.1200	0.0075	0.0040	0.0025	NP
						10.0					1.94	****	0.073	0.0507	****	0.0145	0.0120	0.0110	C
6-24-64	8/970	1319	1.5	37000	49	0.0	87	110/6	SCATD	NONE	3.15	1.18	0.069	0.0732	****	0.0105	0.0090	0.0080	P
						5.0					2.08	****	0.070	0.0441	****	0.0125	0.0080	0.0055	P
						10.0					****	****	****	****	****	****	****	****	**
6-25-64	6/976	1300	1.5	37000	49	0.0	89	50/12	CLEAR	NONE	2.00	1.15	0.077	0.0632	0.1210	0.0040	0.0010	0.0005	NP
						5.0					1.29	****	0.072	0.0506	0.1200	0.0100	0.0055	0.0020	NR
						10.0					1.09	****	0.081	0.0441	0.1240	0.0080	0.0045	0.0040	NR
6-25-64	7/977	1320	1.5	37000	49	0.0	89	50/12	CLEAR	NONE	2.95	1.17	0.068	0.0572	****	****	****	****	P
						5.0					2.36	****	0.055	0.0447	0.1165	0.0035	0.0030	0.0020	NP
						10.0					2.08	****	0.069	0.0367	0.1270	0.0100	0.0090	0.0070	P
6-26-64	6/983	1259	1.5	37000	49	0.0	89	80/7	SCATD	NONE	****	****	****	****	****	****	****	****	**
						5.0					2.34	****	0.060	0.0577	0.1210	0.0145	0.0060	0.0040	NP
						10.0					1.49	****	0.092	0.0694	****	0.0525	0.0180	0.0110	C
6-26-64	7/984	1320	1.5	37000	49	0.0	89	80/7	SCATD	NONE	1.17	1.04	0.074	0.0553	0.1170	0.0100	0.0040	0.0015	R
						5.0					2.94	****	0.051	0.0440	0.1190	0.0120	0.0100	0.0090	P
						10.0					2.99	****	0.050	0.0558	****	****	****	****	P
6-27-64	7/991	1301	1.5	37000	49	0.0	90	160/6	SCATD	NONE	1.46	1.42	0.083	0.0620	0.1190	0.0130	0.0070	0.0060	NR
						5.0					2.55	****	0.060	0.0538	0.1215	0.0065	0.0035	0.0025	P
						10.0					1.62	****	0.073	0.0374	****	0.0260	0.0180	0.0150	C
6-27-64	8/992	1320	1.5	37000	49	0.0	90	160/6	SCATD	NONE	1.79	1.32	0.074	0.0606	0.1290	0.0080	0.0040	0.0030	NR
						5.0					0.63	****	0.086	0.0308	****	0.0130	0.0095	0.0040	R
						10.0					1.20	****	0.081	0.0258	****	0.0150	0.0130	0.0110	C
6-28-64	6/998	1300	1.5	37000	49	0.0	92	120/10	SCATD	NONE	1.22	1.34	0.093	0.0680	****	0.0520	0.0130	0.0065	R
						5.0					2.05	****	0.064	0.0508	****	0.0195	0.0150	0.0070	NP
						10.0					1.16	****	0.087	0.0487	****	0.0235	0.0110	0.0065	R
6-28-64	7/999	1320	1.5	37000	49	0.0	92	120/10	SCATD	NONE	1.71	1.17	0.074	0.0537	0.1190	0.0100	0.0050	0.0040	NR
						5.0					1.08	****	0.081	0.0314	****	0.0365	0.0080	0.0055	C
						10.0					0.97	****	0.086	0.0400	****	0.0425	0.0215	0.0050	R
6-30-64	7/1013	1300	1.5	37000	49	0.0	94	200/12	SCATD	NONE	1.98	****	0.071	0.0624	0.1180	0.0025	0.0020	0.0015	NP
						5.0					1.66	****	0.062	0.0537	0.1170	0.0075	0.0050	0.0030	NR
						10.0					1.21	****	0.072	0.0495	0.1280	0.0140	0.0050	0.0030	NR
6-30-64	8/1014	1320	1.5	37000	49	0.0	94	200/12	SCATD	NONE	1.29	****	0.075	0.0507	0.1220	0.0220	0.0070	0.0010	NR
						5.0					1.24	****	0.080	0.0617	0.1210	****	****	****	R
						10.0					1.22	****	0.087	0.0400	0.1290	0.0130	0.0110	0.0045	NP
7-1-64	7/1021	1300	1.5	37000	49	0.0	75	140/15	BROKN	NONE	0.61	****	0.186	0.0422	****	****	****	****	**
						5.0					0.56	****	0.108	0.0351	****	****	****	****	**
						10.0					0.27	****	0.043	0.0518	****	****	****	****	**

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-1-64	8/1022	1319	1.5	37000	49	0.0	75	140/15	BROKN	NONE	0.45	****	0.123	0.0216	****	****	****	****	**
						5.0					0.21	****	0.115	0.0150	****	****	****	****	**
						10.0					0.15	****	0.107	0.0086	****	****	****	****	**
7-2-64	6/1028	1120	1.5	37000	49	0.0	87	150/5	CLEAR	NONE	1.66	****	0.067	0.0500	0.1250	0.0095	0.0045	0.0040	NR
						5.0					1.42	****	0.072	0.0494	0.1245	0.0070	0.0045	0.0020	NR
						10.0					2.43	****	0.064	0.0750	0.1350	0.0020	0.0010	0.0005	P
7-2-64	7/1029	1300	1.5	37000	49	0.0	93	130/6	SCATD	NONE	1.21	****	0.089	0.0500	0.1230	0.0150	0.0080	0.0050	NR
						5.0					2.04	****	0.078	0.0601	****	0.0105	0.0105	0.0090	C
						10.0					1.11	****	0.091	0.0415	****	0.0190	0.0160	0.0125	C
7-2-64	8/1030	1319	1.5	37000	49	0.0	93	130/6	SCATD	NONE	1.66	****	0.083	0.0478	0.1250	0.0085	0.0070	0.0060	NP
						5.0					1.03	****	0.065	0.0454	0.1220	0.0075	0.0025	0.0015	R
						10.0					0.60	****	0.113	0.0397	****	0.0640	0.0160	0.0100	R
7-3-64	5/1035	1100	1.5	37000	49	0.0	90	160/10	SCATD	NONE	1.27	****	0.087	0.0610	0.1280	0.0150	0.0060	0.0040	NR
						5.0					1.35	****	0.084	0.0595	0.1290	0.0125	0.0090	0.0035	NR
						10.0					2.16	****	0.080	0.0513	****	0.0155	0.0135	0.0110	P
7-3-64	6/1036	1119	1.5	37000	49	0.0	90	160/10	SCATD	NONE	1.27	****	0.080	0.0649	0.1200	0.0110	0.0040	0.0030	NR
						5.0					2.49	****	0.069	0.0580	0.1230	0.0050	0.0013	0.0010	P
						10.0					1.19	****	0.078	0.0477	0.1260	0.0065	0.0050	0.0025	NR
7-3-64	7/1037	1300	1.5	37000	49	0.0	94	200/8	CLEAR	NONE	1.34	****	0.080	0.0571	0.1270	0.0110	0.0025	0.0005	NR
						5.0					1.87	****	0.082	0.0505	0.1275	0.0035	0.0025	0.0020	**
						10.0					1.77	****	0.076	0.0546	0.1310	0.0100	0.0055	0.0045	NP
7-3-64	8/1038	1319	1.5	37000	49	0.0	94	200/8	CLEAR	NONE	1.07	****	0.086	0.0515	0.1240	0.0120	0.0080	0.0030	NR
						5.0					1.63	****	0.080	0.0511	****	0.0300	0.0120	0.0080	C
						10.0					1.50	****	0.086	0.0489	****	0.0165	0.0135	0.0115	C
7-4-64	5/1043	1100	1.5	37000	49	0.0	94	190/12	CLEAR	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.35	****	0.070	0.0515	0.1255	0.0060	0.0030	0.0025	NR
						10.0					1.99	****	0.079	0.0604	0.1320	0.0125	0.0105	0.0050	NP
7-4-64	6/1044	1119	1.5	37000	49	0.0	94	190/12	CLEAR	NONE	1.73	****	0.083	0.0588	0.1210	0.0015	0.0005	0.0002	NP
						5.0					2.09	****	0.075	0.0537	0.1220	0.0045	0.0020	0.0015	NP
						10.0					1.47	****	0.079	0.0575	0.1280	0.0135	0.0040	0.0035	NR
7-4-64	7/1045	1300	1.5	37000	49	0.0	96	160/10	CLEAR	NONE	1.33	****	0.079	0.0691	0.1270	0.0160	0.0090	0.0030	R
						5.0					1.41	****	0.071	0.0535	0.1230	0.0255	0.0100	0.0080	R
						10.0					0.49	****	0.126	0.0353	****	****	****	****	**
7-4-64	8/1046	1319	1.5	37000	49	0.0	96	160/10	CLEAR *	NONE	1.76	****	0.080	0.0438	****	0.0140	0.0090	0.0040	C
						5.0					1.77	****	0.078	0.0533	****	0.0270	0.0230	0.0170	C
						10.0					0.84	****	0.083	0.0372	****	0.0110	0.0060	0.0035	R
7-5-64	5/1051	1059	1.5	37000	49	0.0	95	210/20	SCATD	NONE	0.96	****	0.088	0.0535	0.1230	0.0120	0.0020	0.0005	R
						5.0					0.99	****	0.090	0.0480	****	0.0360	0.0200	0.0090	R
						10.0					1.16	****	0.083	0.0462	****	0.0360	0.0190	0.0100	R
7-5-64	6/1052	1119	1.5	37000	49	0.0	95	210/20	SCATD	NONE	2.10	****	0.070	0.0500	0.1200	0.0080	0.0020	0.0015	NP
						5.0					1.36	****	0.070	0.0474	0.1200	0.0160	0.0090	0.0030	NR
						10.0					1.96	****	0.078	0.0698	****	0.0350	0.0270	0.0140	C
7-5-64	7/1053	1259	1.5	37000	49	0.0	97	200/20	CLEAR	NONE	1.42	****	0.081	0.0584	0.1240	0.0150	0.0085	0.0060	NR
						5.0					2.01	****	0.067	0.0626	0.1240	0.0085	0.0080	0.0070	NP
						10.0					1.58	****	0.085	0.0606	****	0.0240	0.0160	0.0110	C
7-5-64	8/1054	1319	1.5	37000	49	0.0	97	200/20	CLEAR	NONE	1.32	****	0.086	0.0474	****	0.0125	0.0100	0.0060	C
						5.0					1.60	****	0.074	0.0550	0.1245	0.0105	0.0065	0.0055	NP
						10.0					1.18	****	0.109	0.0401	****	0.0360	0.0325	0.0280	C

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-6-64	7/1061	1300	1.5	37000	49	0.0	98	200/16	CLEAR	NONE	1.16	****	0.106	0.0609	****	0.0480	0.0370	0.0100	R
						5.0					2.46	****	0.072	0.0713	****	0.0210	0.0185	0.0125	P
						10.0					0.95	****	0.084	0.0478	****	0.0095	0.0070	0.0050	R
7-6-64	8/1062	1319	1.5	37000	49	0.0	98	200/16	CLEAR	NONE	1.62	****	0.085	0.0558	0.1200	0.0180	0.0145	0.0055	C
						5.0					1.98	****	0.073	0.0552	****	0.0150	0.0130	0.0080	P
						10.0					1.49	****	0.093	0.0567	****	0.0195	0.0165	0.0140	NR
7-7-64	5/1067	1059	1.5	37000	49	0.0	97	230/15	CLEAR	NONE	1.73	****	0.084	0.0655	0.1200	0.0150	0.0125	0.0060	**
						5.0					1.33	****	0.078	0.0502	0.1250	0.0065	0.0030	0.0020	NR
						10.0					1.30	****	0.087	0.0427	0.1280	0.0070	0.0040	0.0030	NP
7-7-64	7/1069	1302	1.5	37000	49	0.0	101	230/15	CLEAR	NONE	1.15	****	0.091	0.0535	0.1220	0.0250	0.0200	0.0050	R
						5.0					1.33	****	0.082	0.0568	0.1230	0.0230	0.0035	0.0025	NR
						10.0					1.30	****	0.103	0.0545	****	0.0490	0.0435	0.0270	C
7-7-64	8/1070	1320	1.5	37000	49	0.0	101	230/15	CLEAR	NONE	1.13	****	0.083	0.0565	0.1200	0.0450	0.0060	0.0025	R
						5.0					1.46	****	0.083	0.0539	0.1180	0.0180	0.0120	0.0080	NR
						10.0					1.38	****	0.084	0.0458	****	0.0255	0.0220	0.0170	C
7-8-64	7/1077	1300	1.5	37000	49	0.0	101	270/11	SCATD	NONE	1.98	****	0.070	0.0755	0.1250	0.0125	0.0050	0.0020	NR
						5.0					1.35	****	0.078	0.0518	0.1240	0.0075	0.0025	0.0015	NR
						10.0					1.60	****	0.080	0.0483	****	0.0345	0.0300	0.0100	C
7-8-64	8/1078	1320	1.5	37000	49	0.0	101	270/11	SCATD	NONE	1.48	****	0.081	0.0552	0.1210	0.0090	0.0045	0.0015	NR
						5.0					0.90	****	0.090	0.0427	0.1240	0.0220	0.0110	0.0075	R
						10.0					2.18	****	0.055	0.0622	0.1350	0.0135	0.0095	0.0080	NP
7-9-64	7/1085	1300	1.5	37000	49	0.0	105	240/18	SCATD	NONE	0.97	****	0.093	0.0574	0.1240	0.0360	0.0100	0.0030	R
						5.0					1.12	****	0.080	0.0476	****	0.0090	0.0040	0.0020	R
						10.0					0.85	****	0.110	0.0508	****	0.0320	0.0175	0.0150	R
7-9-64	8/1086	1320	1.5	37000	49	0.0	105	240/18	SCATD	NONE	0.90	****	0.086	0.0393	****	0.0155	0.0070	0.0025	R
						5.0					2.66	****	0.077	0.0548	0.1180	0.0075	0.0060	0.0050	P
						10.0					2.75	****	0.069	0.0638	0.1160	0.0065	0.0035	0.0025	P
7-10-64	7/1093	1300	1.5	37000	49	0.0	97	220/16	SCATD	NONE	1.43	****	0.078	0.0478	0.1260	0.0025	0.0015	0.0010	N
						5.0					1.46	****	0.075	0.0453	0.1260	0.0060	0.0055	0.0035	NR
						10.0					0.89	****	0.084	0.0401	0.1290	0.0085	0.0040	0.0025	NR
7-10-64	8/1094	1319	1.5	37000	49	0.0	97	220/16	SCATD	NONE	1.29	****	0.080	0.0572	0.1270	0.0130	0.0045	0.0030	NR
						5.0					1.03	****	0.080	0.0523	0.1280	0.0015	0.0008	0.0005	NR
						10.0					0.92	****	0.094	0.0459	****	0.0340	0.0160	0.0110	R
7-11-64	7/1101	1300	1.5	37000	49	0.0	93	320/18	BROKN	NONE	1.81	****	0.084	0.0536	0.1240	0.0055	0.0050	0.0035	NP
						5.0					2.03	****	0.062	0.0557	0.1270	0.0095	0.0065	0.0035	NP
						10.0					1.65	****	0.094	0.0487	****	0.0250	0.0190	0.0140	C
7-11-64	8/1102	1319	1.5	37000	49	0.0	93	320/18	BROKN	NONE	1.41	****	0.076	0.0548	0.1270	0.0140	0.0020	0.0010	NR
						5.0					1.98	****	0.058	0.0585	0.1280	0.0075	0.0045	0.0035	NP
						10.0					1.10	****	0.089	0.0467	0.1330	0.0200	0.0140	0.0125	R
7-12-64	3/1105	859	1.5	37000	49	0.0	77	350/13	BROKN	NONE	1.34	****	0.081	0.0580	0.1220	0.0090	0.0040	0.0030	NR
						5.0					1.37	****	0.069	0.0528	0.1185	0.0140	0.0040	0.0025	NR
						10.0					1.19	****	0.084	0.0345	0.1210	0.0025	0.0015	0.0010	NP
7-12-64	4/1106	919	1.5	37000	49	0.0	77	350/13	BROKN	NONE	1.60	****	0.078	0.0557	0.1230	0.0105	0.0015	0.0010	NP
						5.0					1.55	****	0.067	0.0395	0.1190	0.0150	0.0140	0.0050	NP
						10.0					0.93	****	0.078	0.0477	0.1220	0.0065	0.0040	0.0015	NR
7-12-64	5/1107	1059	1.5	37000	49	0.0	80	20/10	BROKN	NONE	1.64	****	0.076	0.0573	0.1230	0.0140	0.0070	0.0050	NR
						5.0					1.00	****	0.082	0.0438	****	0.0390	0.0190	0.0145	R
						10.0					0.84	****	0.077	0.0262	****	0.0160	0.0125	0.0095	NR

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-12-64	6/1108	1119	1.5	37000	49	0.0	80	20/10	BROKN	NONE	1.06	****	0.090	0.0458	****	0.0450	0.0390	0.0360	C
						5.0					0.74	****	0.078	0.0389	****	0.0550	0.0105	0.0040	C
						10.0					0.91	****	0.086	0.0199	****	0.0430	0.0390	0.0340	C
7-12-64	7/1109	1259	1.5	37000	49	0.0	76	20/15	BROKN	NONE	1.27	****	0.075	0.0551	0.1170	0.0115	0.0030	0.0002	NR
						5.0					0.87	****	0.076	0.0336	0.1140	0.0155	0.0100	0.0040	NR
						10.0					0.86	****	0.092	0.0372	****	0.0170	0.0130	0.0100	C
7-12-64	8/1110	1319	1.5	37000	49	0.0	76	20/15	BROKN	NONE	1.15	****	0.081	0.0539	0.1180	0.0150	0.0110	0.0060	R
						5.0					****	****	****	****	****	****	****	****	**
						10.0					1.03	****	0.077	0.0401	0.1150	0.0045	0.0015	0.0010	N
7-14-64	7/1125	1300	1.5	37000	49	0.0	95	200/12	CLEAR	NONE	1.19	****	0.088	0.0459	0.1240	0.0085	0.0050	0.0025	NR
						5.0					1.32	****	0.076	0.0592	0.1220	0.0175	0.0070	0.0055	R
						10.0					1.14	****	0.086	0.0594	****	0.0050	0.0045	0.0040	**
7-14-64	8/1126	1320	1.5	37000	49	0.0	95	200/12	CLEAR	NONE	2.38	****	0.071	0.0629	0.1220	****	****	****	P
						5.0					1.56	****	0.068	0.0502	0.1200	0.0120	0.0055	0.0025	NR
						10.0					0.84	****	0.090	0.0338	****	0.0120	0.0080	0.0050	R
7-15-64	7/1133	1300	1.5	37000	49	0.0	97	180/18	SCATD	NONE	3.34	****	0.076	0.0733	****	0.0090	0.0080	0.0065	P
						5.0					2.10	****	0.061	0.0517	0.1200	0.0135	0.0040	0.0020	C
						10.0					2.19	****	0.073	0.0683	0.1250	0.0105	0.0060	0.0050	P
7-15-64	8/1134	1319	1.5	37000	49	0.0	97	180/18	SCATD	NONE	1.57	****	0.072	0.0547	0.1250	0.0110	0.0080	0.0040	NR
						5.0					1.23	****	0.073	0.0599	0.1210	0.0080	0.0060	0.0040	R
						10.0					1.16	****	0.076	0.0436	0.1240	0.0115	0.0065	0.0060	NR
7-16-64	7/1141	1300	1.5	37000	49	0.0	94	200/12	SCATD	NONE	2.01	****	0.080	0.0770	0.1240	0.0150	0.0090	0.0070	R
						5.0					2.12	****	0.084	0.0569	0.1205	0.0045	0.0035	0.0030	P
						10.0					1.56	****	0.079	0.0584	0.1270	0.0350	0.0120	0.0030	**
7-16-64	8/1142	1320	1.5	37000	49	0.0	94	200/12	SCATD	NONE	1.75	****	0.075	0.0526	0.1250	0.0130	0.0090	0.0015	**
						5.0					2.92	****	0.061	0.0588	0.1200	0.0050	0.0035	0.0030	P
						10.0					1.43	****	0.076	0.0539	0.1280	0.0130	0.0070	0.0050	**
7-17-64	7/1149	1259	1.5	37000	49	0.0	92	170/12	SCATD	NONE	1.85	****	0.083	0.0712	0.1240	0.0050	0.0040	0.0035	NP
						5.0					2.15	****	0.066	0.0698	0.1270	0.0105	0.0080	0.0045	**
						10.0					1.25	****	0.088	0.0431	****	0.0290	0.0200	0.0070	R
7-17-64	8/1150	1319	1.5	37000	49	0.0	92	170/12	SCATD	NONE	1.03	****	0.083	0.0510	0.1240	0.0100	0.0035	0.0030	R
						5.0					1.55	****	0.072	0.0535	0.1240	0.0200	0.0105	0.0075	NR
						10.0					1.09	****	0.088	0.0517	****	0.0310	0.0150	0.0065	R
7-18-64	7/1157	1259	1.5	37000	49	0.0	91	180/10	SCATD	NONE	1.40	****	0.083	0.0636	0.1200	0.0130	0.0080	0.0015	NR
						5.0					1.56	****	0.062	0.0537	0.1240	0.0120	0.0010	0.0005	NR
						10.0					1.59	****	0.075	0.0628	****	0.0190	0.0140	0.0050	C
7-19-64	7/1165	1300	1.5	37000	49	0.0	95	150/15	SCATD	NONE	2.18	****	0.086	0.0674	****	0.0080	0.0070	0.0065	P
						5.0					1.54	****	0.093	0.0496	0.1350	0.0095	0.0070	0.0060	P
						10.0					1.06	****	0.125	0.0354	****	0.0190	0.0170	0.0155	C
7-19-64	8/1166	1319	1.5	37000	49	0.0	95	150/15	SCATD	NONE	1.10	****	0.081	0.0476	0.1200	0.0110	0.0085	0.0060	R
						5.0					1.28	****	0.088	0.0469	****	0.0330	0.0260	0.0170	C
						10.0					1.61	****	0.083	0.0518	****	0.0320	0.0190	0.0175	C
6-5-64	1/822	700	1.5	36000	49	0.0	65	330/8	BROKN	NONE	2.21	1.05	0.082	0.0768	0.1200	0.0040	0.0020	0.0005	NP
						5.0					1.68	****	0.068	0.0632	0.1230	0.0065	0.0005	0.0001	NR
						10.0					1.43	****	0.072	0.0606	0.1280	0.0135	0.0055	0.0015	NR
6-5-64	2/823	720	1.5	36000	49	0.0	65	330/8	BROKN	NONE	1.66	1.05	0.078	0.0696	0.1150	0.0075	0.0015	0.0005	NR
						5.0					1.29	****	0.072	0.0480	0.1160	0.0060	0.0008	0.0005	N
						10.0					1.16	****	0.078	0.0456	0.1230	0.0050	0.0025	0.0010	NR

TABLE XVI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 36,000 AND 37,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-7-64	5/840	1100	1.5	36000	49	0.0 5.0 10.0	86	190/19	CLEAR	NONE	1.56 3.22 2.49	0.61 **** ****	0.078 0.080 0.062	0.0588 0.0494 0.0690	0.1250 0.1225 0.1360	0.0140 0.0050 0.0060	0.0030 0.0040 0.0040	0.0025 0.0025 0.0010	** P P
6-7-64	6/841	1119	1.5	36000	49	0.0 5.0 10.0	86	190/19	CLEAR	NONE	1.38 2.20 0.73	0.67 **** ****	0.077 0.058 0.082	0.0637 0.0462 0.0352	0.1180 0.1185 ****	0.0085 0.0040 0.0475	0.0035 0.0035 0.0070	0.0010 0.0015 0.0055	R NP C
6-7-64	7/842	1259	1.5	36000	49	0.0 5.0 10.0	89	190/23	CLEAR	NONE	1.38 1.70 0.87	1.06 **** ****	0.084 0.078 0.112	0.0608 0.0557 0.0382	0.1220 0.1260 ****	0.0150 0.0090 0.0330	0.0075 0.0070 0.0165	0.0045 0.0050 0.0130	NR NR C
6-7-64	8/843	1319	1.5	36000	49	0.0 5.0 10.0	89	190/23	CLEAR	NONE	1.15 2.03 1.00	0.99 **** ****	0.086 0.064 0.080	0.0553 0.0606 0.0481	0.1200 0.1200 0.1250	0.0135 0.0060 0.0115	0.0030 0.0020 0.0070	0.0025 0.0010 0.0055	R NP **
6-8-64	7/850	1258	1.5	36000	49	0.0 5.0 10.0	88	160/20	CLEAR	NONE	0.94 1.67 2.42	1.05 **** ****	0.078 0.068 0.070	0.0415 0.0551 0.0567	0.1200 0.1215 0.1260	0.0110 0.0020 0.0080	0.0045 0.0015 0.0060	0.0030 0.0010 0.0040	R NP P
6-8-64	8/851	1319	1.5	36000	49	0.0 5.0 10.0	88	160/20	CLEAR	NONE	**** 1.47 1.37	**** **** ****	**** 0.070 0.081	**** 0.0505 0.0566	**** 0.1140 0.1150	**** 0.0060 0.0160	**** 0.0020 0.0080	**** 0.0005 0.0025	** NR NR

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-9-64	6/857	1119	1.5	35000	49	0.0	87	200/22	CLEAR	NONE	1.18	0.99	0.063	0.0400	0.1170	0.0050	0.0010	0.0005	NR
						5.0					1.20	****	0.076	0.0485	0.1140	0.0090	0.0045	0.0030	R
						10.0					0.64	****	0.092	0.0389	0.1200	0.0135	0.0065	0.0040	R
6-9-64	7/858	1259	1.5	35000	49	0.0	91	200/17	CLEAR	NONE	0.99	1.18	0.071	0.0509	0.1180	0.0110	0.0010	0.0005	R
						5.0					2.32	****	0.064	0.0598	0.1180	0.0100	0.0065	0.0050	NP
						10.0					1.07	****	0.082	0.0380	0.1220	0.0110	0.0080	0.0040	NR
6-9-64	8/859	1319	1.5	35000	49	0.0	91	200/17	CLEAR	NONE	1.27	1.06	0.073	0.0394	0.1170	0.0035	0.0010	0.0003	NR
						5.0					1.50	****	0.070	0.0494	0.1170	0.0025	0.0015	0.0010	NP
						10.0					1.45	****	0.078	0.0538	0.1260	0.0060	0.0045	0.0035	NR
6-10-64	8/867	1319	1.5	35000	49	0.0	88	150/16	BROKN	NONE	1.26	0.98	0.072	0.0405	0.1170	0.0080	0.0050	0.0010	NR
						5.0					1.93	****	0.077	0.0478	0.1160	0.0115	0.0090	0.0065	NP
						10.0					0.93	****	0.086	0.0494	****	0.0250	0.0140	0.0100	R
6-17-64	7/915	1300	1.5	35000	49	0.0	88	200/15	BROKN	NONE	1.81	1.12	0.069	0.0502	0.1180	0.0055	0.0025	0.0010	NP
						5.0					2.79	****	0.070	0.0519	0.1200	0.0035	0.0035	0.0015	NP
						10.0					1.26	****	0.089	0.0478	0.1280	0.0295	0.0190	0.0070	NR
6-17-64	8/916	1319	1.5	35000	49	0.0	88	200/15	BROKN	NONE	1.09	1.16	0.074	0.0487	0.1160	0.0080	0.0035	0.0010	R
						5.0					1.81	****	0.068	0.0501	0.1175	0.0085	0.0040	0.0025	NR
						10.0					0.86	****	0.078	0.0351	0.1290	0.0320	0.0090	0.0055	R
6-18-64	5/921	1100	1.5	35000	49	0.0	85	190/22	SCATD	NONE	1.01	0.86	0.076	0.0401	0.1170	0.0100	0.0040	0.0010	R
						5.0					1.64	****	0.060	0.0566	0.1180	0.0185	0.0035	0.0020	R
						10.0					0.60	****	0.081	0.0356	0.1220	0.0055	0.0045	0.0040	R
6-18-64	6/922	1119	1.5	35000	49	0.0	85	190/22	SCATD	NONE	1.17	0.93	0.070	0.0419	0.1140	0.0075	0.0020	0.0015	NR
						5.0					3.42	****	0.050	0.0469	0.1170	0.0065	0.0020	0.0010	P
						10.0					1.01	****	0.085	0.0432	0.1270	0.0135	0.0090	0.0045	NR
6-18-64	7/923	1300	1.5	35000	49	0.0	90	190/20	SCATD	NONE	1.64	1.10	0.072	0.0522	0.1140	0.0060	0.0010	0.0005	NP
						5.0					1.86	****	0.070	0.0521	****	****	****	****	NP
						10.0					1.14	****	0.078	0.0396	0.1220	0.0040	0.0030	0.0020	**
6-18-64	8/924	1319	1.5	35000	49	0.0	90	190/20	SCATD	NONE	1.17	0.86	0.073	0.0439	0.1210	0.0100	0.0045	0.0015	NR
						5.0					0.93	****	0.084	0.0402	****	0.0400	0.0140	0.0040	R
						10.0					0.78	****	0.090	0.0351	0.1250	0.0110	0.0070	0.0045	NR
6-19-64	1/925	700	1.5	35000	49	0.0	77	180/15	CLEAR	NONE	1.28	1.05	0.072	0.0407	0.1180	0.0080	0.0040	0.0030	NR
						5.0					1.25	****	0.074	0.0530	0.1180	0.0160	0.0025	0.0005	NR
						10.0					1.19	****	0.080	0.0498	0.1210	0.0155	0.0070	0.0045	R
6-20-64	3/935	859	1.5	35000	49	0.0	82	190/20	BROKN	NONE	1.56	1.08	0.077	0.0444	0.1170	0.0050	0.0045	0.0040	NP
						5.0					1.93	****	0.063	0.0529	0.1185	0.0080	0.0035	0.0020	NP
						10.0					0.74	****	0.099	0.0379	****	0.0340	0.0240	0.0160	R
6-20-64	4/936	919	1.5	35000	49	0.0	82	190/20	BROKN	NONE	1.73	1.13	0.060	0.0394	0.1135	0.0090	0.0060	0.0030	NP
						5.0					1.25	****	0.070	0.0400	0.1125	0.0080	0.0060	0.0045	NR
						10.0					1.86	****	0.061	0.0502	0.1200	0.0045	0.0040	0.0015	NP
6-20-64	5/937	1100	1.5	35000	49	0.0	88	190/22	BROKN	NONE	2.07	1.62	0.066	0.0548	0.1160	0.0140	0.0050	0.0025	NP
						5.0					2.27	****	0.061	0.0642	0.1160	0.0120	0.0055	0.0040	NP
						10.0					0.60	****	0.088	0.0244	0.1190	0.0170	0.0130	0.0040	R
6-20-64	6/938	1120	1.5	35000	49	0.0	88	190/22	BROKN	NONE	1.51	1.32	0.075	0.0439	0.1140	0.0025	0.0015	0.0005	NP
						5.0					2.01	****	0.051	0.0557	0.1130	0.0165	0.0015	0.0008	**
						10.0					0.49	****	0.093	0.0271	****	0.0320	0.0120	0.0030	R
6-20-64	7/939	1300	1.5	35000	49	0.0	92	210/16	BROKN	NONE	2.19	1.59	0.062	0.0538	0.1180	0.0075	0.0050	0.0010	NP
						5.0					1.49	****	0.066	0.0503	0.1140	0.0075	0.0070	0.0050	NR
						10.0					1.68	****	0.072	0.0557	****	0.0430	0.0400	0.0075	C

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-20-64	8/940	1320	1.5	35000	49	0.0 5.0 10.0	92	210/16	BROKN	NONE	1.22 1.64 2.95	1.35 ****	0.076 0.072 0.069	0.0500 0.0517 0.0570	0.1165 0.1190 0.1250	0.0050 0.0060 0.0080	0.0015 0.0050 0.0060	0.0010 0.0025 0.0050	NR NP P
6-21-64	3/943	900	1.5	35000	49	0.0 5.0 10.0	83	190/14	BROKN	NONE	1.92 1.95 0.63	1.28 ****	0.063 0.080 0.090	0.0514 0.0471 0.0301	0.1180 0.1230 0.1260	0.0045 0.0055 0.0400	0.0025 0.0045 0.0020	0.0015 0.0030 0.0015	NP NP R
6-21-64	4/944	919	1.5	35000	49	0.0 5.0 10.0	83	190/14	BROKN	NONE	1.71 1.15 0.85	1.16 ****	0.064 0.076 0.080	0.0448 0.0437 0.0375	0.1170 0.1220 ****	0.0110 0.0060 0.0630	0.0030 0.0020 0.0490	0.0010 0.0010 0.0110	NR R R
6-21-64	7/947	1300	1.5	35000	49	0.0 5.0 10.0	93	200/14	SCATD	NONE	1.34 3.05 1.47	1.31 ****	0.072 0.064 0.078	0.0538 0.0625 0.0556	0.1180 0.1200 0.1290	0.0100 0.0025 0.0125	0.0030 0.0020 0.0060	0.0020 0.0015 0.0050	R R **
6-21-64	8/948	1319	1.5	35000	49	0.0 5.0 10.0	93	200/14	SCATD	NONE	1.47 3.40 0.95	1.37 ****	0.079 0.066 0.093	0.0545 0.0652 0.0481	0.1190 0.1225 0.1280	0.0050 0.0025 0.0350	0.0015 0.0020 0.0120	0.0005 0.0015 0.0100	NR P R
6-22-64	3/951	900	1.5	35000	49	0.0 5.0 10.0	84	190/16	SCATD	NONE	1.63 2.27 1.02	0.96 ****	0.067 0.062 0.081	0.0450 0.0566 0.0344	0.1180 0.1230 0.1300	0.0105 0.0055 0.0040	0.0035 0.0030 0.0035	0.0010 0.0025 0.0030	NR NP NP
6-23-64	2/959	1100	1.5	35000	49	0.0 5.0 10.0	71	340/8	OVCST	NONE	1.26 1.41 1.59	1.05 ****	0.072 0.070 0.069	0.0573 0.0558 0.0407	0.1140 **** 0.1260	0.0100 0.0270 0.0065	0.0015 0.0245 0.0050	0.0005 0.0035 0.0045	R C NP
6-23-64	3/960	1119	1.5	35000	49	0.0 5.0 10.0	71	340/8	OVCST	NONE	2.11 2.16 0.92	1.01 ****	0.070 0.055 0.082	0.0575 0.0512 0.0451	0.1150 0.1145 0.1250	0.0070 0.0130 0.0155	0.0050 0.0050 0.0105	0.0040 0.0030 0.0085	NR NP R
6-24-64	3/965	900	1.5	35000	49	0.0 5.0 10.0	81	320/8	CLEAR	NONE	1.59 1.89 2.87	1.02 ****	0.080 0.070 0.074	0.0620 0.0535 0.0578	0.1230 0.1230 0.1320	0.0085 0.0030 0.0055	0.0015 0.0020 0.0045	0.0010 0.0010 0.0030	NR NP P
6-24-64	4/966	920	1.5	35000	49	0.0 5.0 10.0	81	320/8	CLEAR	NONE	1.70 1.33 2.37	1.01 ****	0.075 0.068 0.067	0.0598 0.0493 0.0549	0.1180 0.1190 0.1260	0.0070 0.0055 0.0045	0.0010 0.0010 0.0025	0.0005 0.0005 0.0015	NR NR P
6-25-64	3/973	900	1.5	35000	49	0.0 5.0 10.0	82	310/5	CLEAR	NONE	1.53 1.23 2.68	1.23 ****	0.072 0.075 0.074	0.0652 0.0501 0.0536	0.1170 0.1175 0.1270	0.0100 0.0110 0.0020	0.0005 0.0030 0.0015	0.0001 0.0010 0.0010	NR R P
6-25-64	4/974	920	1.5	35000	49	0.0 5.0 10.0	82	310/5	CLEAR	NONE	1.79 1.61 1.49	1.17 ****	0.069 0.063 0.077	0.0616 0.0521 0.0613	0.1140 0.1140 0.1220	0.0060 0.0045 0.0085	0.0030 0.0015 0.0060	0.0005 0.0005 0.0040	NR NR NR
6-25-64	5/975	1100	1.5	35000	49	0.0 5.0 10.0	86	360/6	SCATD	NONE	1.43 1.44 1.38	0.97 ****	0.080 0.074 0.071	0.0533 0.0544 0.0512	0.1190 0.1175 0.1220	0.0090 0.0190 0.0200	0.0035 0.0060 0.0055	0.0005 0.0030 0.0035	NR R R
6-26-64	3/980	919	1.5	35000	49	0.0 5.0 10.0	81	200/5	CLEAR	NONE	1.69 1.91 1.59	1.13 ****	0.069 0.062 0.073	0.0626 0.0603 0.0580	0.1140 0.1150 0.1200	0.0050 0.0045 0.0135	0.0010 0.0010 0.0110	0.0005 0.0005 0.0040	NR N NR
6-26-64	4/981	1100	1.5	35000	49	0.0 5.0 10.0	87	180/4	SCATD	NONE	1.93 2.13 1.29	1.41 ****	0.076 0.071 0.082	0.0645 0.0521 0.0511	0.1200 0.1210 ****	0.0100 0.0115 0.0295	0.0015 0.0080 0.0250	0.0010 0.0050 0.0130	NR NP R
6-26-64	5/982	1118	1.5	35000	49	0.0 5.0 10.0	87	180/4	SCATD	NONE	2.04 1.46 3.00	1.38 ****	0.069 0.074 0.068	0.0674 0.0544 0.0698	0.1220 0.1200 ****	0.0040 0.0325 ****	0.0015 0.0170 ****	0.0010 0.0040 ****	NP NR P

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-27-64	3/987	900	1.5	35000	49	0.0 5.0 10.0	83	200/8	CLEAR	NONE	1.93 1.41 1.30	1.18 **** ****	0.070 0.070 0.074	0.0666 0.0460 0.0576	0.1200 0.1160 0.1250	0.0055 0.0115 0.0120	0.0005 0.0060 0.0060	0.0001 0.0045 0.0025	NR NR R
6-27-64	4/988	919	1.5	35000	49	0.0 5.0 10.0	83	200/8	CLEAR	NONE	1.60 1.77 1.44	1.21 **** ****	0.069 0.066 0.080	0.0586 0.0508 0.0545	0.1150 0.1235 0.1240	0.0075 0.0035 0.0035	0.0015 0.0010 0.0020	0.0005 0.0005 0.0010	NR N N
6-27-64	5/989	1101	1.5	35000	49	0.0 5.0 10.0	88	310/5	CLEAR	NONE	1.27 2.23 1.69	1.07 **** ****	0.087 0.070 0.090	0.0567 0.0636 0.0575	0.1210 0.1210 0.1240	0.0075 0.0075 0.0100	0.0050 0.0070 0.0095	0.0040 0.0065 0.0090	R NP NP
6-27-64	6/990	1121	1.5	35000	49	0.0 5.0 10.0	88	310/5	CLEAR	NONE	1.76 1.80 1.35	1.30 **** ****	0.075 0.068 0.099	0.0668 0.0529 0.0477	**** 0.1220 0.1400	0.0160 0.0215 0.0330	0.0115 0.0090 0.0260	0.0070 0.0040 0.0210	C ** C
6-28-64	3/995	859	1.5	35000	49	0.0 5.0 10.0	81	160/6	CLEAR	NONE	1.69 1.51 1.85	1.23 **** ****	0.070 0.066 0.071	0.0588 0.0445 0.0506	0.1210 0.1190 0.1270	0.0060 0.0105 0.0060	0.0010 0.0025 0.0030	0.0005 0.0005 0.0020	NR NR NP
6-28-64	4/996	920	1.5	35000	49	0.0 5.0 10.0	81	160/6	CLEAR	NONE	1.50 1.90 1.32	1.18 **** ****	0.075 0.062 0.077	0.0630 0.0550 0.0333	0.1185 0.1170 0.1240	0.0100 0.0065 0.0140	0.0008 0.0020 0.0035	0.0005 0.0010 0.0020	NR N NR
6-28-64	5/997	1122	1.5	35000	49	0.0 5.0 10.0	88	170/11	CLEAR	NONE	1.48 1.71 1.18	1.14 **** ****	0.086 0.063 0.100	0.0588 0.0499 0.0419	0.1190 0.1185 ****	0.0055 0.0215 0.0085	0.0015 0.0120 0.0065	0.0005 0.0090 0.0040	NR NR C
6-29-64	7/1006	1259	1.5	35000	49	0.0 5.0 10.0	91	160/8	BROKN	NONE	1.69 1.05 1.10	**** **** ****	0.079 0.090 0.096	0.0607 0.0425 0.0525	**** 0.0050 0.0420	0.0190 0.0040 0.0320	0.0140 0.0030 0.0085	0.0080 0.0030 R	
6-30-64	3/1009	900	1.5	35000	49	0.0 5.0 10.0	82	210/10	CLEAR	NONE	2.14 1.68 1.33	**** **** ****	0.068 0.077 0.076	0.0632 0.0535 0.0427	0.1195 0.1205 0.1270	0.0060 0.0025 0.0100	0.0010 0.0010 0.0050	0.0005 0.0008 0.0030	NP N NR
6-30-64	4/1010	921	1.5	35000	49	0.0 5.0 10.0	82	210/10	CLEAR	NONE	1.63 2.20 1.31	**** **** ****	0.076 0.070 0.074	0.0613 0.0641 0.0455	0.1220 0.1225 0.1230	0.0120 0.0040 0.0045	0.0025 0.0010 0.0025	0.0020 0.0005 0.0015	NR NP NP
6-30-64	5/1011	1100	1.5	35000	49	0.0 5.0 10.0	88	220/10	SCATD	NONE	1.89 1.22 2.18	**** **** ****	0.077 0.076 0.069	0.0639 0.0497 0.0557	0.1165 0.1140 0.1220	0.0015 0.0170 0.0055	0.0010 0.0085 0.0040	0.0005 0.0005 0.0030	NP R NP
6-30-64	6/1012	1119	1.5	35000	49	0.0 5.0 10.0	88	220/10	SCATD	NONE	1.91 1.33 1.76	**** **** ****	0.070 0.075 0.077	0.0560 0.0456 0.0459	0.1145 0.1145 0.1210	0.0040 0.0050 0.0070	0.0010 0.0020 0.0020	0.0005 0.0005 0.0015	NP NR NP
7-1-64	3/1017	900	1.5	35000	49	0.0 5.0 10.0	78	200/10	SCATD	NONE	1.22 2.13 0.81	**** **** ****	0.082 0.069 0.077	0.0542 0.0559 0.0305	0.1110 0.1145 ****	0.0140 0.0020 0.0110	0.0040 0.0015 0.0070	0.0030 0.0008 0.0050	R NP NR
7-1-64	5/1019	1100	1.5	35000	49	0.0 5.0 10.0	81	180/10	BROKN	NONE	2.16 1.18 1.48	**** **** ****	0.066 0.088 ****	0.0594 0.0417 ****	0.1220 0.1180 ****	0.0020 0.0155 0.0350	0.0010 0.0050 0.0345	0.0005 0.0020 0.0100	NP NR C
7-1-64	6/1020	1119	1.5	35000	49	0.0 5.0 10.0	81	180/10	BROKN	NONE	0.88 0.69 0.55	**** **** ****	0.089 0.097 0.091	0.0470 0.0385 0.0286	**** **** ****	0.0320 0.0375 0.0290	0.0200 0.0280 0.0260	0.0060 0.0085 0.0200	** R **
7-2-64	3/1025	900	1.5	35000	49	0.0 5.0 10.0	82	140/5	SCATD	NONE	1.44 2.00 1.68	**** **** ****	0.073 0.062 0.085	0.0543 0.0560 0.0571	0.1190 0.1205 ****	0.0110 0.0060 ****	0.0030 0.0030 ****	0.0005 0.0020 ****	NR NP NP

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-2-64	4/1026	920	1.5	35000	49	0.0	82	140/5	SCATD	NONE	1.66	****	0.072	0.0531	0.1200	0.0080	0.0015	0.0005	NR
						5.0					3.03	****	0.074	0.0541	0.1210	0.0015	0.0010	0.0005	P
						10.0					2.45	****	0.077	0.0655	0.1340	0.0070	0.0050	0.0040	P
7-2-64	5/1027	1100	1.5	35000	49	0.0	87	150/5	CLEAR	NONE	2.50	****	0.074	0.0661	0.1270	0.0030	0.0015	0.0010	NP
						5.0					1.70	****	0.072	0.0540	0.1265	0.0035	0.0025	0.0010	NR
						10.0					1.95	****	0.070	0.0523	0.1330	0.0130	0.0050	0.0045	P
7-3-64	3/1033	900	1.5	35000	49	0.0	83	190/5	SCATD	NONE	1.45	****	0.076	0.0714	0.1210	0.0050	0.0010	0.0003	N
						5.0					1.78	****	0.070	0.0651	0.1220	0.0045	0.0010	0.0002	NR
						10.0					0.94	****	0.088	0.0443	0.1220	0.0220	0.0100	0.0065	R
7-3-64	4/1034	919	1.5	35000	49	0.0	83	190/5	SCATD	NONE	1.23	****	0.078	0.0529	0.1270	0.0100	0.0015	0.0005	N
						5.0					1.42	****	0.078	0.0443	0.1255	0.0030	0.0010	0.0002	NR
						10.0					1.35	****	0.074	0.0482	0.1320	0.0070	0.0025	0.0015	NR
7-4-64	3/1041	900	1.5	35000	49	0.0	88	190/12	CLEAR	NONE	1.35	****	0.081	0.0594	0.1220	0.0100	0.0030	0.0005	NR
						5.0					1.54	****	0.079	0.0605	0.1235	0.0045	0.0015	0.0008	NR
						10.0					1.65	****	0.077	0.0566	0.1280	0.0105	0.0080	0.0045	NP
7-4-64	4/1042	920	1.5	35000	49	0.0	88	190/12	CLEAR	NONE	1.17	****	0.082	0.0623	0.1210	0.0100	0.0010	0.0005	NR
						5.0					1.43	****	0.066	0.0481	0.1195	0.0070	0.0035	0.0025	NR
						10.0					1.96	****	0.072	0.0529	0.1280	0.0040	0.0030	0.0025	NP
7-5-64	3/1049	900	1.5	35000	49	0.0	89	220/20	BROKN	NONE	1.46	****	0.087	0.0581	0.1200	0.0110	0.0060	0.0040	NR
						5.0					1.73	****	0.068	0.0540	0.1205	0.0020	0.0015	0.0010	NP
						10.0					1.60	****	0.079	0.0588	0.1270	0.0025	0.0015	0.0010	NP
7-5-64	4/1050	920	1.5	35000	49	0.0	89	220/20	BROKN	NONE	1.37	****	0.082	0.0565	0.1210	0.0080	0.0040	0.0020	NR
						5.0					1.36	****	0.070	0.0541	0.1200	0.0160	0.0030	0.0005	NR
						10.0					1.57	****	0.070	0.0438	0.1280	0.0075	0.0040	0.0025	NP
7-6-64	3/1057	903	1.5	35000	49	0.0	88	220/20	CLEAR	NONE	1.07	****	0.082	0.0541	0.1200	0.0120	0.0030	0.0010	R
						5.0					1.09	****	0.078	0.0511	0.1195	0.0140	0.0050	0.0010	R
						10.0					2.00	****	0.077	0.0635	0.1310	0.0065	0.0040	0.0030	P
7-6-64	5/1059	1100	1.5	35000	49	0.0	95	240/18	CLEAR	NONE	1.39	****	0.078	0.0578	0.1210	0.0105	0.0040	0.0005	NR
						5.0					1.22	****	0.082	0.0478	0.1250	0.0070	0.0035	0.0020	R
						10.0					1.54	****	0.080	0.0580	0.1340	0.0120	0.0060	0.0050	NP
7-6-64	6/1060	1119	1.5	35000	49	0.0	95	240/18	CLEAR	NONE	0.95	****	0.089	0.0502	0.1240	0.0110	0.0050	0.0030	R
						5.0					0.94	****	0.076	0.0428	0.1280	0.0070	0.0050	0.0030	R
						10.0					0.95	****	0.095	0.0427	****	0.0315	0.0270	0.0150	C
7-7-64	4/1066	919	1.5	35000	49	0.0	91	230/17	CLEAR	NONE	2.04	****	0.070	0.0659	0.1240	0.0055	0.0015	0.0010	N
						5.0					1.09	****	0.085	0.0585	0.1250	0.0225	0.0075	0.0030	R
						10.0					0.91	****	0.094	0.0481	0.1320	0.0295	0.0100	0.0060	R
7-7-64	6/1068	1120	1.5	35000	49	0.0	97	230/15	CLEAR	NONE	2.19	****	0.070	0.0599	0.1190	0.0050	0.0015	0.0010	P
						5.0					1.87	****	0.061	0.0621	0.1185	0.0110	0.0040	0.0025	NR
						10.0					1.68	****	0.071	0.0553	0.1280	0.0070	0.0035	0.0020	N
7-8-64	5/1075	1100	1.5	35000	49	0.0	95	240/16	BROKN	NONE	1.83	****	0.065	0.0634	0.1200	0.0060	0.0010	0.0005	NR
						5.0					2.52	****	0.062	0.0506	0.1210	0.0020	0.0008	0.0005	NP
						10.0					1.02	****	0.085	0.0393	0.1260	0.0185	0.0095	0.0065	R
7-8-64	6/1076	1120	1.5	35000	49	0.0	95	240/16	BROKN	NONE	1.60	****	0.074	0.0610	0.1200	0.0060	0.0010	0.0005	NR
						5.0					2.07	****	0.068	0.0484	0.1175	0.0095	0.0080	0.0055	NP
						10.0					1.04	****	0.088	0.0339	0.1250	0.0100	0.0080	0.0060	C
7-9-64	3/1081	900	1.5	35000	49	0.0	91	230/20	SCATD	NONE	1.42	****	0.067	0.0538	0.1210	0.0100	0.0005	0.0001	NR
						5.0					2.23	****	0.078	0.0558	0.1250	0.0075	0.0070	0.0040	NP
						10.0					0.76	****	0.097	0.0450	0.1310	0.0110	0.0035	0.0020	NR

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/ knots	Cover	Precip.	Delta Po lb/ sq ft	Delta P1 lb/ sq ft	Delta to sec	Delta Io lb-sec/ sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-9-64	4/1082	919	1.5	35000	49	0.0	91	230/20	SCATD	NONE	1.54	****	0.078	0.0601	0.1200	0.0090	0.0040	0.0010	NR
						5.0					1.68	****	0.062	0.0554	0.1200	0.0055	0.0010	0.0005	N
						10.0					3.00	****	0.071	0.0651	0.1260	0.0045	0.0035	0.0030	P
7-9-64	5/1083	1059	1.5	35000	49	0.0	100	240/18	SCATD	NONE	1.89	****	0.079	0.0631	0.1300	0.0040	0.0030	0.0020	NP
						5.0					1.14	****	0.085	0.0533	0.1300	0.0065	0.0045	0.0015	R
						10.0					1.05	****	0.096	0.0437	****	0.0310	0.0260	0.0140	C
7-9-64	6/1084	1119	1.5	35000	49	0.0	100	240/18	SCATD	NONE	1.70	****	0.076	0.0534	0.1200	0.0050	0.0040	0.0030	NP
						5.0					1.89	****	0.073	0.0587	0.1180	0.0055	0.0035	0.0020	NP
						10.0					1.36	****	0.090	0.0532	****	0.0235	0.0110	0.0080	**
7-10-64	3/1089	859	1.5	35000	49	0.0	88	190/10	BROKN	NONE	2.24	****	0.070	0.0615	0.1230	0.0030	0.0020	0.0010	P
						5.0					1.48	****	0.071	0.0476	0.1230	0.0100	0.0055	0.0030	NR
						10.0					0.85	****	0.094	0.0432	0.1270	0.0130	0.0075	0.0060	NR
7-10-64	5/1091	1100	1.5	35000	49	0.0	92	220/16	BROKN	NONE	1.67	****	****	****	****	****	****	****	**
						5.0					1.50	****	0.068	0.0543	0.1215	0.0115	0.0030	0.0010	NR
						10.0					1.98	****	0.075	0.0574	0.1300	0.0045	0.0040	0.0030	P
7-10-64	6/1092	1120	1.5	35000	49	0.0	92	220/16	BROKN	NONE	1.33	****	0.077	0.0478	0.1200	0.0110	0.0040	0.0030	N
						5.0					1.05	****	0.076	0.0466	0.1180	0.0105	0.0050	0.0035	R
						10.0					3.01	****	0.064	0.0582	0.1290	0.0045	0.0030	0.0015	P
7-11-64	3/1097	900	1.5	35000	49	0.0	87	250/13	BROKN	NONE	1.86	****	0.080	0.0713	0.1270	0.0100	0.0050	0.0035	NP
						5.0					0.85	****	0.086	0.0345	****	0.0130	0.0070	0.0055	C
						10.0					0.61	****	0.086	0.0184	****	0.0200	0.0160	0.0090	C
7-11-64	4/1098	919	1.5	35000	49	0.0	87	250/13	BROKN	NONE	0.93	****	0.086	0.0345	****	0.0280	0.0150	0.0050	R
						5.0					0.81	****	0.076	0.0285	****	0.0125	0.0095	0.0080	C
						10.0					0.17	****	0.120	0.0124	****	****	****	****	**
7-11-64	5/1099	1059	1.5	35000	49	0.0	91	310/20	BROKN	NONE	1.41	****	0.074	0.0571	****	0.0080	0.0030	0.0010	NR
						5.0					1.68	****	0.069	0.0551	0.1150	0.0040	0.0020	0.0015	N
						10.0					1.71	****	0.069	0.0529	0.1250	0.0110	0.0035	0.0020	NR
7-11-64	6/1100	1119	1.5	35000	49	0.0	91	310/20	BROKN	NONE	1.36	****	0.078	0.0478	****	0.0020	0.0015	0.0010	N
						5.0					1.31	****	0.068	0.0501	0.1200	0.0170	0.0150	0.0005	NR
						10.0					1.17	****	0.081	0.0451	0.1230	0.0130	0.0070	0.0050	NR
7-13-64	3/1113	900	1.5	35000	49	0.0	73	310/6	CLEAR	NONE	1.75	****	0.079	0.0606	0.1230	0.0080	0.0030	0.0001	NR
						5.0					1.52	****	0.080	0.0509	0.1290	0.0055	0.0020	0.0010	NR
						10.0					0.87	****	0.096	0.0449	0.1380	0.0095	0.0080	0.0055	R
7-13-64	4/1114	920	1.5	35000	49	0.0	73	310/6	CLEAR	NONE	2.02	****	0.069	0.0595	0.1160	0.0015	0.0005	0.0001	NP
						5.0					1.87	****	0.065	0.0601	0.1135	0.0060	0.0030	0.0010	NR
						10.0					1.87	****	0.067	0.0585	0.1160	0.0050	0.0030	0.0015	NP
7-13-64	5/1115	1100	1.5	35000	49	0.0	79	20/8	CLEAR	NONE	1.52	****	0.075	0.0635	0.1180	0.0135	0.0050	0.0020	NR
						5.0					1.96	****	0.065	0.0586	0.1145	0.0145	0.0115	0.0100	**
						10.0					1.00	****	0.088	0.0532	****	0.0185	0.0135	0.0090	R
7-13-64	6/1116	1119	1.5	35000	49	0.0	79	20/8	CLEAR	NONE	1.10	****	0.083	0.0478	0.1190	0.0130	0.0055	0.0030	R
						5.0					2.09	****	0.068	0.0516	****	0.0145	0.0135	0.0065	P
						10.0					1.67	****	0.068	0.0618	****	0.0320	0.0125	0.0095	C
7-13-64	7/1117	1300	1.5	35000	49	0.0	83	20/7	SCATD	NONE	2.48	****	0.066	0.0632	0.1210	0.0120	0.0030	0.0025	P
						5.0					1.63	****	0.071	0.0481	0.1160	0.0080	0.0045	0.0040	**
						10.0					1.58	****	0.077	0.0590	****	0.0310	0.0150	0.0100	C
7-13-64	8/1118	1319	1.5	35000	49	0.0	83	20/7	SCATD	NONE	2.07	****	0.075	0.0676	0.1200	0.0170	0.0060	0.0050	NR
						5.0					0.89	****	0.087	0.0427	0.1160	0.0125	0.0085	0.0040	R
						10.0					1.40	****	0.070	0.0540	****	0.0395	0.0095	0.0080	C

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature	
7-14-64	3/1121	900	1.5	35000	49	0.0	79	180/12	BROKN	NONE	1.60	****	0.077	0.0587	0.1225	0.0045	0.0005	0.0001	N	
						5.0					1.77	****	0.068	0.0585	0.1180	0.0035	0.0015	0.0010	NP	
						10.0					1.13	****	0.083	0.0550	0.1220	0.0150	0.0030	0.0020	R	
7-14-64	4/1122	919	1.5	35000	49	0.0	79	180/12	BROKN	NONE	1.51	****	0.074	0.0608	0.1220	0.0065	0.0010	0.0005	NR	
						5.0					1.36	****	0.073	0.0577	0.1200	0.0050	0.0025	0.0015	NR	
						10.0					1.65	****	0.075	0.0493	0.1250	0.0045	0.0030	0.0020	NP	
7-14-64	5/1123	1100	1.5	35000	49	0.0	88	190/15	BROKN	NONE	1.32	****	****	****	****	****	****	****	****	**
						5.0					1.80	****	0.065	0.0577	0.1205	0.0060	0.0020	0.0015	NR	
						10.0					3.25	****	0.076	0.0631	0.1240	0.0080	0.0065	0.0050	P	
7-14-64	6/1124	1119	1.5	35000	49	0.0	88	190/15	BROKN	NONE	2.79	****	0.066	0.0556	****	****	****	****	P	
						5.0					1.47	****	0.081	0.0591	0.1260	0.0150	0.0050	0.0020	R	
						10.0					1.97	****	0.074	0.0661	0.1280	0.0190	0.0060	0.0050	NR	
7-15-64	3/1129	900	1.5	35000	49	0.0	86	200/18	SCATD	NONE	2.10	****	0.072	0.0667	0.1260	0.0040	0.0015	0.0010	NP	
						5.0					1.88	****	0.074	0.0660	0.1240	0.0025	0.0015	0.0005	NR	
						10.0					3.31	****	0.075	0.0675	0.1300	0.0085	0.0070	0.0045	P	
7-15-64	4/1130	919	1.5	35000	49	0.0	86	200/18	SCATD	NONE	1.14	****	0.092	0.0593	0.1250	0.0130	0.0065	0.0040	R	
						5.0					1.77	****	0.076	0.0547	0.1230	0.0070	0.0040	0.0030	NP	
						10.0					1.39	****	0.076	0.0556	0.1290	0.0065	0.0050	0.0040	NR	
7-15-64	5/1131	1059	1.5	35000	49	0.0	92	200/18	CLEAR	NONE	2.72	****	0.070	0.0611	0.1290	0.0030	0.0020	0.0015	P	
						5.0					1.93	****	0.067	0.0660	0.1265	0.0190	0.0140	0.0030	R	
						10.0					1.65	****	0.084	0.0584	****	0.0240	0.0035	0.0025	C	
7-15-64	6/1132	1119	1.5	35000	49	0.0	92	200/18	CLEAR	NONE	2.62	****	0.075	0.0727	0.1240	0.0025	0.0015	0.0010	P	
						5.0					2.23	****	0.059	0.0515	0.1215	0.0070	0.0055	0.0040	P	
						10.0					1.08	****	0.104	0.0589	****	0.0270	0.0130	0.0050	R	
7-16-64	3/1137	900	1.5	35000	49	0.0	81	180/10	SCATD	NONE	1.75	****	0.074	0.0604	0.1220	0.0015	0.0010	0.0005	NR	
						5.0					1.02	****	0.086	0.0589	0.1205	0.0210	0.0015	0.0005	NR	
						10.0					1.22	****	0.088	0.0496	0.1390	0.0065	0.0040	0.0015	NR	
7-16-64	4/1138	919	1.5	35000	49	0.0	81	180/10	SCATD	NONE	1.91	****	0.082	0.0706	0.1260	0.0075	0.0020	0.0015	NR	
						5.0					2.05	****	0.062	0.0520	****	0.0045	0.0020	0.0015	NP	
						10.0					0.99	****	0.088	0.0491	****	0.0170	0.0100	0.0025	R	
7-16-64	5/1139	1100	1.5	35000	49	0.0	93	210/18	SCATD	NONE	1.59	****	0.075	0.0665	0.1200	0.0080	0.0050	0.0030	NR	
						5.0					2.18	****	0.070	0.0478	0.1205	0.0090	0.0080	0.0065	P	
						10.0					0.80	****	0.092	0.0418	****	0.0210	0.0160	0.0075	R	
7-16-64	6/1140	1119	1.5	35000	49	0.0	93	210/18	SCATD	NONE	2.43	****	0.080	0.0655	****	0.0060	0.0040	0.0030	P	
						5.0					1.43	****	0.087	0.0491	0.1270	0.0075	0.0050	0.0045	P	
						10.0					0.81	****	0.104	0.0371	****	0.0075	0.0055	0.0040	NR	
7-17-64	3/1145	859	1.5	35000	49	0.0	85	210/12	BROKN	NONE	1.32	****	0.079	0.0556	0.1190	0.0120	0.0020	0.0010	NR	
						5.0					1.48	****	0.083	0.0531	0.1170	0.0060	0.0030	0.0015	NR	
						10.0					2.02	****	0.082	0.0589	0.1360	0.0065	0.0055	0.0040	P	
7-17-64	4/1146	919	1.5	35000	49	0.0	85	210/12	BROKN	NONE	1.78	****	0.084	0.0524	0.1290	0.0015	0.0010	0.0005	N	
						5.0					1.53	****	0.084	0.0508	****	0.0015	0.0010	0.0010	NP	
						10.0					1.02	****	0.100	0.0464	****	0.0210	0.0160	0.0110	R	
7-17-64	5/1147	1100	1.5	35000	49	0.0	91	180/8	SCATD	NONE	1.28	****	0.081	0.0629	0.1220	0.0140	0.0030	0.0015	NR	
						5.0					1.57	****	0.067	0.0543	0.1225	0.0065	0.0005	0.0003	NR	
						10.0					1.75	****	0.074	0.0447	0.1260	0.0025	0.0020	0.0010	NP	
7-17-64	6/1148	1119	1.5	35000	49	0.0	91	180/8	SCATD	NONE	2.42	****	0.073	0.0743	0.1290	0.0100	0.0020	0.0005	P	
						5.0					0.95	****	0.094	0.0446	****	0.0260	0.0080	0.0070	R	
						10.0					2.04	****	0.075	0.0548	****	0.0115	0.0110	0.0095	C	

TABLE XVII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 35,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-18-64	3/1153	900	1.5	35000	49	0.0	84	190/10	SCATD	NONE	1.38	****	0.081	0.0561	0.1220	0.0110	0.0015	0.0005	NR
						5.0					2.90	****	0.064	0.0570	0.1230	0.0030	0.0020	0.0010	P
						10.0					1.56	****	0.080	0.0679	0.1320	0.0070	0.0050	0.0010	NR
7-18-64	5/1155	1059	1.5	35000	49	0.0	90	180/10	SCATD	NONE	2.46	****	0.070	0.0688	0.1260	0.0015	0.0013	0.0010	NP
						5.0					1.60	****	0.076	0.0718	0.1245	0.0385	0.0050	0.0035	C
						10.0					1.10	****	0.104	0.0563	****	0.0315	0.0210	0.0150	R
7-19-64	3/1161	900	1.5	35000	49	0.0	88	230/15	CLEAR	NONE	2.07	****	0.068	0.0616	0.1240	0.0030	0.0010	0.0005	NP
						5.0					1.84	****	0.081	0.0477	0.1300	0.0055	0.0035	0.0015	P
						10.0					1.47	****	0.087	0.0599	****	0.0095	0.0090	0.0075	NR
7-19-64	5/1163	1059	1.5	35000	49	0.0	93	170/12	SCATD	NONE	3.15	****	0.072	0.0709	0.1210	0.0040	0.0035	0.0030	P
						5.0					1.28	****	0.090	0.0379	0.1225	0.0040	0.0020	0.0015	NP
						10.0					0.87	****	0.093	0.0405	****	0.0225	0.0135	0.0110	**
7-19-64	6/1164	1119	1.5	35000	49	0.0	93	170/12	SCATD	NONE	0.58	****	0.109	0.0363	****	0.0140	0.0070	0.0050	R
						5.0					0.63	****	0.124	0.0393	****	0.0150	0.0075	0.0060	R
						10.0					0.69	****	0.111	0.0387	****	0.0600	0.0420	0.0300	R
7-20-64	3/1169	859	1.5	35000	49	0.0	84	200/15	CLEAR	NONE	1.67	****	0.075	0.0631	0.1220	0.0120	0.0035	0.0010	NR
						5.0					1.74	****	0.082	0.0626	0.1225	0.0080	0.0060	0.0055	NP
						10.0					2.70	****	0.078	0.0604	0.1320	0.0035	0.0030	0.0025	P
7-20-64	4/1170	919	1.5	35000	49	0.0	84	200/15	CLEAR	NONE	1.16	****	0.091	0.0552	0.1330	0.0080	0.0020	0.0005	NR
						5.0					1.59	****	0.081	0.0578	0.1385	0.0190	0.0035	0.0025	NR
						10.0					0.69	****	0.109	0.0468	****	0.0500	0.0250	0.0080	R
7-26-64	5/1219	1059	1.5	35000	49	0.0	97	110/7	CLEAR	NONE	1.09	****	0.080	0.0337	0.1225	0.0040	0.0020	0.0010	NR
						5.0					1.08	****	0.088	0.0508	0.1240	0.0145	0.0095	0.0060	R
						10.0					0.95	****	0.091	0.0486	0.1310	0.0320	0.0080	0.0050	R
7-26-64	6/1220	1119	1.5	35000	49	0.0	97	110/7	CLEAR	NONE	1.40	****	0.064	0.0343	0.1230	0.0050	0.0010	0.0005	NP
						5.0					2.86	****	0.073	0.0630	0.1250	0.0080	0.0070	0.0060	P
						10.0					1.26	****	0.082	0.0530	0.1350	0.0125	0.0080	0.0050	NR

TABLE XVIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 34,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-11-64	1/439	700	1.4	34000	49	0.0	54	160/20	SCATD	NONE	1.84	1.43	0.064	0.0522	0.1150	0.0150	0.0060	0.0045	NR
						5.0					1.21	****	0.077	0.0410	0.1140	0.0020	0.0015	0.0010	NR
						10.0					1.01	****	0.081	0.0459	0.1200	0.0365	0.0100	0.0075	R
4-11-64	2/440	721	1.4	34000	49	0.0	54	160/20	SCATD	NONE	2.26	1.38	0.069	0.0511	0.1110	0.0075	0.0050	0.0045	NP
						5.0					1.21	****	0.076	0.0548	0.1120	0.0330	0.0095	0.0030	R
						10.0					1.01	****	0.079	0.0416	****	0.0480	0.0195	0.0160	R
4-11-64	3/441	920	1.4	34000	49	0.0	58	180/18	SCATD	NONE	1.51	0.86	0.077	0.0349	0.1095	0.0035	0.0030	0.0025	C
						5.0					0.93	****	0.082	0.0467	0.1095	0.0200	0.0055	0.0025	R
						10.0					1.19	****	0.065	0.0397	****	0.0080	0.0070	0.0055	**
6-5-64	3/824	859	1.6	34000	49	0.0	64	330/12	OVCST	NONE	1.24	0.83	0.076	0.0491	0.1180	0.0050	0.0010	0.0005	NR
						5.0					1.61	****	0.062	0.0491	0.1190	0.0045	0.0015	0.0010	N
						10.0					1.25	****	0.072	0.0387	0.1260	0.0105	0.0055	0.0040	NR
6-5-64	4/825	920	1.6	34000	49	0.0	64	330/12	OVCST	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.20	****	0.069	0.0490	0.1165	0.0130	0.0025	0.0010	NR
						10.0					0.77	****	0.089	0.0365	0.1300	0.0230	0.0080	0.0070	R
6-5-64	5/826	1059	1.5	34000	49	0.0	65	330/12	OVCST	NONE	1.79	1.10	0.081	0.0755	0.1210	0.0050	0.0020	0.0010	NR
						5.0					1.61	****	0.065	0.0548	0.1180	0.0050	0.0030	0.0020	NR
						10.0					1.38	****	0.067	0.0459	0.1240	0.0140	0.0055	0.0030	NR
6-5-64	6/827	1259	1.5	34000	49	0.0	70	320/10	OVCST	NONE	1.75	1.02	0.087	0.0682	0.1245	0.0080	0.0040	0.0030	NP
						5.0					1.83	****	0.067	0.0608	0.1230	0.0085	0.0020	0.0010	NR
						10.0					1.99	****	0.073	0.0494	0.1260	0.0035	0.0020	0.0015	P
6-6-64	5/832	1059	1.5	34000	49	0.0	75	140/7	SCATD	NONE	1.96	1.39	0.077	0.0659	0.1180	0.0025	0.0010	0.0005	NP
						5.0					2.19	****	0.062	0.0628	0.1170	0.0055	0.0005	0.0002	N
						10.0					1.55	****	0.070	0.0529	0.1200	0.0050	0.0040	0.0020	P
6-6-64	6/833	1120	1.5	34000	49	0.0	75	140/7	SCATD	NONE	1.42	1.31	0.076	0.0596	0.1200	0.0105	0.0020	0.0010	R
						5.0					2.30	****	0.069	0.0627	0.1140	0.0025	0.0015	0.0005	NP
						10.0					2.14	****	0.072	0.0592	0.1200	0.0075	0.0040	0.0025	P
6-7-64	1/836	700	1.5	34000	49	0.0	72	160/17	SCATD	NONE	1.86	1.18	0.078	0.0605	0.1180	0.0015	0.0013	0.0010	**
						5.0					1.22	****	0.071	0.0453	0.1180	0.0070	0.0030	0.0020	NR
						10.0					1.36	****	0.078	0.0481	0.1300	0.0100	0.0060	0.0045	NR
6-7-64	2/837	720	1.5	34000	49	0.0	72	160/17	SCATD	NONE	1.43	1.24	0.080	0.0528	0.1190	0.0020	0.0015	0.0010	**
						5.0					1.48	****	0.068	0.0580	0.1180	0.0125	0.0015	0.0010	NR
						10.0					1.45	****	0.076	0.0439	0.1250	0.0065	0.0020	0.0015	NP
6-7-64	3/838	858	1.5	34000	49	0.0	81	180/17	CLEAR	NONE	1.45	1.12	0.083	0.0587	0.1190	0.0115	0.0008	0.0005	NR
						5.0					1.87	****	0.063	0.0551	0.1180	0.0075	0.0050	0.0030	NP
						10.0					****	****	****	****	****	****	****	****	**
6-7-64	4/839	919	1.5	34000	49	0.0	81	180/17	CLEAR	NONE	2.67	0.85	0.076	0.0608	0.1160	0.0050	0.0035	0.0030	P
						5.0					2.53	****	0.066	0.0647	0.1175	0.0090	0.0030	0.0015	P
						10.0					2.49	****	0.064	0.0400	****	****	****	****	P
6-8-64	1/844	659	1.5	34000	49	0.0	73	180/18	CLEAR	NONE	1.62	****	0.080	0.0613	0.1210	0.0100	0.0060	0.0050	**
						5.0					0.83	****	0.092	0.0419	****	0.0400	0.0285	0.0140	R
						10.0					****	****	****	****	****	****	****	****	**
6-8-64	2/845	720	1.5	34000	49	0.0	73	180/18	CLEAR	NONE	1.60	****	0.066	0.0454	0.1200	0.0065	0.0025	0.0010	NR
						5.0					1.28	****	0.076	0.0535	0.1210	0.0125	0.0065	0.0035	NR
						10.0					1.25	****	0.078	0.0406	0.1310	0.0140	0.0085	0.0060	NR
6-8-64	3/846	859	1.5	34000	49	0.0	78	180/18	CLEAR	NONE	2.74	1.20	0.073	0.0610	****	****	****	****	P
						5.0					2.20	****	0.064	0.0568	0.1200	0.0045	0.0030	0.0020	P
						10.0					1.20	****	0.086	0.0419	0.1280	0.0250	0.0165	0.0085	NR

TABLE XVIII.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE OF 34,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-8-64	4/847	917	1.5	34000	49	0.0	78	180/18	CLEAR	NONE	1.46	1.01	0.076	0.0489	0.1130	0.0020	0.0010	0.0005	NR
						5.0					1.99	****	0.066	0.0618	0.1160	****	****	****	NP
						10.0					2.59	****	****	****	****	****	****	****	P
6-8-64	5/848	1101	1.5	34000	49	0.0	84	160/20	CLEAR	NONE	1.21	1.15	0.085	0.0586	0.1200	0.0050	0.0045	0.0030	R
						5.0					2.84	****	0.062	0.0633	0.1210	0.0045	0.0025	0.0020	P
						10.0					1.02	****	0.126	0.0465	****	0.0250	0.0240	0.0170	C
6-8-64	6/849	1119	1.5	34000	49	0.0	84	160/20	CLEAR	NONE	1.00	0.95	0.073	0.0477	0.1135	0.0120	0.0005	0.0002	R
						5.0					1.54	****	0.066	0.0523	0.1160	0.0130	0.0070	0.0035	NR
						10.0					1.69	****	0.077	0.0471	****	0.0380	0.0075	0.0060	C

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. ml.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
4-10-64	7/437	1259	1.4	33000	49	0.0 5.0 10.0	73	180/16	CLEAR	NONE	1.47 2.19 2.61	1.05 **** ****	0.078 0.070 0.052	0.0591 0.1180 0.1320	0.1180 0.0095 0.0070	0.0230 0.0070 0.0045	0.0170 0.0070 0.0035	0.0090 0.0065 0.0035	R N P
4-10-64	8/438	1320	1.4	33000	49	0.0 5.0 10.0	73	180/16	CLEAR	NONE	1.63 2.00 0.73	1.04 **** ****	0.060 0.067 0.092	0.0533 0.1150 0.1270	0.1180 0.0060 0.0240	0.0155 0.0060 0.0190	0.0100 0.0030 0.0090	0.0025 0.0020 0.0090	R NP R
6-9-64	1/852	700	1.5	33000	49	0.0 5.0 10.0	77	190/20	SCATD	NONE	1.27 1.45 0.90	0.95 **** ****	0.072 0.066 0.087	0.0488 0.1160 0.1280	0.1170 0.0100 0.0210	0.0135 0.0045 0.0120	0.0070 0.0010 0.0075	0.0010 0.0010 0.0075	R NR R
6-9-64	2/853	718	1.5	33000	49	0.0 5.0 10.0	77	190/20	SCATD	NONE	1.45 1.62 0.74	0.83 **** ****	0.069 0.066 0.081	0.0446 0.1170 0.1260	0.1140 0.0125 0.0100	0.0130 0.0050 0.0070	0.0060 0.0025 0.0050	0.0050 0.0025 0.0050	R C R
6-9-64	3/854	901	1.5	33000	49	0.0 5.0 10.0	82	200/25	SCATD	NONE	1.10 0.95 1.16	0.91 **** ****	0.077 0.078 0.064	0.0387 0.1230 0.1280	0.1210 0.0265 0.0190	0.0090 0.0075 0.0190	0.0060 0.0035 0.0070	0.0020 0.0035 0.0070	R R R
6-9-64	4/855	920	1.5	33000	49	0.0 5.0 10.0	82	200/25	SCATD	NONE	0.83 1.96 1.71	0.84 **** ****	0.083 0.070 0.077	0.0391 0.0583 0.1300	0.1190 0.1240 0.1300	0.0175 0.0145 0.0125	0.0055 0.0085 0.0040	0.0035 0.0075 0.0035	R NR P
6-9-64	5/856	1059	1.5	33000	49	0.0 5.0 10.0	87	200/22	CLEAR	NONE	1.82 2.78 1.12	1.24 **** ****	0.064 0.054 0.090	0.0608 0.1170 0.1280	0.1155 0.0040 0.0045	0.0090 0.0030 0.0045	0.0045 0.0030 0.0040	0.0040 0.0010 0.0035	NP P **
6-10-64	1/860	659	1.5	33000	49	0.0 5.0 10.0	76	170/11	CLEAR	NONE	1.82 1.72 1.06	1.27 **** ****	0.070 0.080 0.078	0.0526 0.1230 0.1300	0.1210 0.0105 0.0025	0.0040 0.0050 0.0020	0.0035 0.0015 0.0015	0.0030 0.0015 0.0015	NP NR N
6-10-64	3/862	859	1.5	33000	49	0.0 5.0 10.0	82	160/15	SCATD	NONE	1.71 1.74 1.99	1.13 **** ****	0.062 0.080 0.073	0.0453 0.1240 0.1320	0.1200 0.0030 0.0140	0.0010 0.0025 0.0120	0.0008 0.0020 0.0120	0.0005 0.0020 0.0090	NP NP P
6-10-64	4/863	919	1.5	33000	49	0.0 5.0 10.0	82	160/15	SCATD	NONE	1.76 1.33 0.94	1.16 **** ****	0.066 0.075 0.093	0.0536 0.1120 0.1290	0.1140 0.0070 0.0190	0.0070 0.0013 0.0085	0.0010 0.0010 0.0035	0.0010 0.0020 0.0035	NP NR R
6-10-64	5/864	1100	1.5	33000	49	0.0 5.0 10.0	87	160/12	SCATD	NONE	1.19 2.36 2.02	0.98 **** ****	0.072 0.060 0.072	0.0457 0.1185 0.1250	0.1165 0.0030 0.0030	0.0010 0.0015 0.0025	0.0002 0.0010 0.0020	0.0001 0.0010 0.0020	NR NP P
6-10-64	6/865	1119	1.5	33000	49	0.0 5.0 10.0	87	160/12	SCATD	NONE	0.99 1.40 3.14	0.90 **** ****	0.081 0.075 0.066	0.0464 0.1175 0.1260	0.1150 0.0040 0.0090	0.0010 0.0035 0.0090	0.0008 0.0030 0.0050	0.0005 0.0030 0.0050	NR NR P
6-10-64	7/866	1300	1.5	33000	49	0.0 5.0 10.0	88	150/16	SCATD	NONE	1.35 2.30 1.10	1.19 **** ****	0.073 0.071 0.094	0.0507 0.1150 0.1150	0.1150 0.0080 0.0020	0.0080 0.0050 0.0015	0.0010 0.0010 0.0015	0.0010 0.0010 0.0013	NR NR P
6-11-64	1/868	859	1.5	33000	49	0.0 5.0 10.0	73	130/13	OVCST	NONE	2.21 3.18 1.45	1.37 **** ****	0.064 0.060 0.076	0.0545 0.1170 0.1270	0.1150 0.0015 0.0090	0.0060 0.0008 0.0090	0.0045 0.0005 0.0075	0.0040 0.0005 0.0025	P P C
6-11-64	2/869	919	1.5	33000	49	0.0 5.0 10.0	73	130/13	OVCST	NONE	1.37 2.03 1.35	**** **** ****	0.055 0.064 0.085	0.0330 0.1180 0.1290	0.1110 0.0015 0.0070	0.0110 0.0015 0.0060	0.0005 0.0010 0.0050	0.0001 0.0005 0.0050	NR NP **
6-11-64	3/870	1059	1.5	33000	49	0.0 5.0 10.0	83	160/15	OVCST	NONE	1.38 0.62	**** ****	0.083 0.109	0.0539 0.0490	0.1190 ****	0.0105 0.0105	0.0030 0.0065	0.0015 0.0055	R R

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta T to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-11-64	4/871	1120	1.5	33000	49	0.0	83	160/15	OVCST	NONE	1.04	0.95	0.074	0.0373	0.1140	0.0095	0.0050	0.0015	R
						5.0					1.38	****	0.066	0.0364	0.1150	0.0200	0.0130	0.0070	R
						10.0					1.16	****	0.089	0.0376	****	0.0410	0.0400	0.0095	C
6-11-64	5/872	1300	1.5	33000	49	0.0	82	180/12	OVCST	NONE	1.04	1.07	0.077	0.0449	****	0.0100	0.0040	0.0015	NR
						5.0					1.38	****	0.080	0.0429	0.1110	0.0090	0.0020	0.0015	NR
						10.0					0.66	****	0.099	0.0348	****	0.0440	0.0155	0.0110	R
6-11-64	6/873	1319	1.5	33000	49	0.0	82	180/12	OVCST	NONE	1.35	0.73	0.072	0.0204	0.1050	0.0040	0.0010	0.0005	NP
						5.0					1.93	****	0.066	0.0587	0.1160	0.0085	0.0065	0.0060	NP
						10.0					1.90	****	0.072	0.0593	0.1240	0.0030	0.0015	0.0010	P
6-12-64	3/876	859	1.5	33000	49	0.0	78	200/15	OVCST	NONE	1.51	1.12	0.069	0.0421	0.1140	0.0065	0.0015	0.0010	NR
						5.0					2.10	****	0.058	0.0520	0.1220	0.0030	0.0015	0.0010	NP
						10.0					1.16	****	0.084	0.0532	****	0.0125	0.0090	0.0060	**
6-12-64	4/877	919	1.5	33000	49	0.0	78	200/15	OVCST	NONE	1.56	1.08	0.066	0.0460	0.1180	0.0050	0.0008	0.0005	NP
						5.0					1.58	****	0.071	0.0561	0.1225	0.0070	0.0040	0.0030	NR
						10.0					2.33	****	0.085	0.0467	****	0.0145	0.0125	0.0095	P
6-12-64	6/879	1301	1.5	33000	49	0.0	80	220/13	OVCST	NONE	1.11	1.08	0.065	0.0481	0.1145	0.0060	0.0008	0.0005	**
						5.0					1.38	****	0.070	0.0569	0.1170	0.0200	0.0065	0.0040	R
						10.0					1.04	****	0.088	0.0562	****	0.0330	0.0060	0.0030	R
6-12-64	7/880	1320	1.5	33000	49	0.0	80	220/13	OVCST	NONE	2.18	1.28	0.067	0.0576	0.1120	0.0005	0.0001	0.0001	NP
						5.0					1.49	****	0.069	0.0567	0.1135	0.0150	0.0075	0.0065	**
						10.0					2.50	****	0.078	0.0622	****	0.0185	0.0170	0.0105	P
6-13-64	1/881	658	1.5	33000	49	0.0	77	180/11	OVCST	NONE	1.42	1.08	0.071	0.0475	0.1140	0.0045	0.0030	0.0001	NR
						5.0					1.38	****	0.064	0.0556	0.1140	0.0035	0.0025	0.0015	NR
						10.0					1.10	****	0.076	0.0484	0.1230	0.0075	0.0040	0.0020	NR
6-13-64	3/883	859	1.5	33000	49	0.0	79	200/17	OVCST	NONE	1.69	1.70	0.064	0.0567	0.1115	0.0105	0.0030	0.0015	NR
						5.0					1.23	****	0.070	0.0515	0.1070	0.0065	0.0035	0.0015	NR
						10.0					1.19	****	0.071	0.0499	0.1160	0.0170	0.0030	0.0010	R
6-13-64	4/884	919	1.5	33000	49	0.0	79	200/17	OVCST	NONE	1.67	1.19	0.067	0.0468	0.1150	0.0050	0.0005	0.0001	NR
						5.0					1.69	****	0.068	0.0647	0.1145	0.0115	0.0025	0.0005	NR
						10.0					1.52	****	0.071	0.0526	0.1230	0.0065	0.0045	0.0035	NR
6-13-64	5/885	1259	1.5	33000	49	0.0	74	130/8	OVCST	NONE	1.31	1.02	0.075	0.0440	0.1140	0.0040	0.0035	0.0030	NR
						5.0					1.69	****	0.068	0.0575	0.1180	0.0185	0.0085	0.0045	NR
						10.0					1.15	****	0.086	0.0443	0.1240	0.0155	0.0085	0.0060	NR
6-14-64	1/887	701	1.5	33000	49	0.0	73	110/9	SCATD	NONE	1.24	1.08	0.067	0.0422	0.1160	0.0050	0.0001	0.0001	NR
						5.0					1.81	****	0.063	0.0485	****	0.0045	0.0015	0.0005	NP
						10.0					1.14	****	0.075	0.0447	0.1260	0.0070	0.0030	0.0015	NR
6-14-64	2/888	719	1.5	33000	49	0.0	73	110/9	SCATD	NONE	1.31	1.09	0.069	0.0468	0.1140	0.0050	0.0010	0.0005	NR
						5.0					1.55	****	0.069	0.0510	0.1160	0.0035	0.0020	0.0005	NR
						10.0					0.90	****	0.077	0.0411	0.1230	0.0105	0.0060	0.0020	NR
6-14-64	3/889	859	1.5	33000	49	0.0	81	190/15	BROKN	NONE	1.22	0.95	0.070	0.0504	0.1180	0.0075	0.0005	0.0001	NR
						5.0					1.63	****	0.073	0.0578	0.1175	0.0150	0.0040	0.0030	NR
						10.0					2.67	****	0.079	0.0420	0.1260	0.0100	0.0090	0.0075	P
6-14-64	4/890	919	1.5	33000	49	0.0	81	190/15	BROKN	NONE	1.50	1.09	0.062	0.0483	0.1150	0.0010	0.0005	0.0001	NR
						5.0					2.16	****	0.063	0.0516	0.1175	0.0045	0.0030	0.0025	NP
						10.0					2.02	****	0.073	0.0496	0.1280	0.0105	0.0050	0.0030	P
6-14-64	5/891	1100	1.5	33000	49	0.0	84	230/17	SCATD	NONE	1.15	1.14	0.066	0.0473	0.1150	0.0070	0.0020	0.0010	NR
						5.0					1.76	****	0.064	0.0650	0.1160	0.0080	0.0040	0.0035	NR
						10.0					1.14	****	0.092	0.0502	0.1240	0.0070	0.0055	0.0035	NP

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-14-64	6/892	1118	1.5	33000	49	0.0	84	230/17	SCATD	NONE	1.92	1.09	0.058	0.0444	0.1120	0.0085	0.0040	0.0030	NP
						5.0					1.18	****	0.072	0.0526	0.1140	0.0085	0.0060	0.0045	R
						10.0					3.05	****	0.064	0.0639	****	****	****	****	P
6-14-64	7/893	1300	1.5	33000	49	0.0	86	190/15	SCATD	NONE	0.92	****	****	****	0.1140	0.0130	0.0095	0.0050	**
						5.0					2.16	****	0.073	0.0715	0.1100	0.0200	0.0105	0.0065	P
						10.0					1.60	****	0.075	0.0450	0.1230	0.0305	0.0150	0.0075	C
6-14-64	8/894	1319	1.5	33000	49	0.0	86	190/15	SCATD	NONE	1.22	****	****	****	0.1120	0.0080	0.0015	0.0010	**
						5.0					2.29	****	0.062	0.0597	0.1130	0.0055	0.0045	0.0030	P
						10.0					2.15	****	0.072	0.0592	0.1240	0.0070	0.0055	0.0030	NP
6-15-64	1/895	700	1.5	33000	49	0.0	76	210/11	SCATD	NONE	1.43	1.08	0.068	0.0447	0.1125	0.0010	0.0008	0.0005	NP
						5.0					1.42	****	****	****	0.1150	0.0030	0.0010	0.0005	P
						10.0					2.04	****	0.066	0.0507	0.1200	0.0040	0.0010	0.0005	P
6-15-64	2/896	719	1.5	33000	49	0.0	76	210/11	SCATD	NONE	1.34	1.00	0.067	0.0404	0.1120	0.0030	0.0010	0.0005	NP
						5.0					1.52	****	0.069	0.0601	0.1095	0.0125	0.0020	0.0005	NR
						10.0					1.51	****	0.068	0.0531	0.1135	0.0020	0.0010	0.0005	N
6-15-64	3/897	900	1.5	33000	49	0.0	81	260/8	SCATD	NONE	1.32	1.15	0.068	0.0506	0.1150	0.0115	0.0040	0.0005	NR
						5.0					1.85	****	0.074	0.0456	0.1135	0.0050	0.0035	0.0015	NP
						10.0					1.35	****	0.077	0.0590	0.1240	0.0155	0.0045	0.0020	NR
6-15-64	4/898	919	1.5	33000	49	0.0	81	260/8	SCATD	NONE	1.32	1.07	0.067	0.0414	0.1140	0.0070	0.0025	0.0015	NR
						5.0					2.42	****	0.060	0.0574	0.1140	0.0060	0.0015	0.0005	NP
						10.0					1.20	****	0.079	0.0559	0.1220	0.0185	0.0110	0.0060	R
6-16-64	3/905	901	1.5	33000	49	0.0	74	140/9	OVCST	-L	1.73	1.18	0.068	0.0497	0.1130	0.0065	0.0040	0.0005	NP
						5.0					1.53	****	0.073	0.0476	0.1200	0.0095	0.0065	0.0020	NR
						10.0					1.41	****	0.063	0.0418	0.1260	0.0115	0.0090	0.0070	NP
6-16-64	4/906	919	1.5	33000	49	0.0	74	140/9	OVCST	-L	1.30	1.05	0.071	0.0434	0.1130	0.0105	0.0030	0.0020	NR
						5.0					1.17	****	0.076	0.0505	0.1165	0.0205	0.0060	0.0015	R
						10.0					1.21	****	0.072	0.0477	0.1240	0.0150	0.0080	0.0045	NR
6-16-64	5/907	1100	1.5	33000	49	0.0	74	150/10	OVCST	NONE	1.46	1.15	0.069	0.0518	0.1120	0.0070	0.0010	0.0005	NR
						5.0					1.57	****	0.070	0.0446	0.1150	0.0100	0.0050	0.0030	NR
						10.0					2.59	****	0.064	0.0705	0.1260	0.0035	0.0025	0.0018	P
6-16-64	6/908	1300	1.5	33000	49	0.0	79	140/13	OVCST	NONE	1.42	1.05	0.074	0.0482	0.1140	0.0050	0.0025	0.0005	NR
						5.0					1.55	****	0.064	0.0571	0.1140	0.0130	0.0035	0.0025	NR
						10.0					1.62	****	0.072	0.0566	0.1240	0.0250	0.0130	0.0090	C
6-17-64	1/909	700	1.5	33000	49	0.0	73	200/10	OVCST	-L	1.18	1.09	0.070	0.0497	0.1130	0.0090	0.0035	0.0015	NR
						5.0					2.08	****	0.071	0.0470	0.1135	0.0025	0.0020	0.0015	P
						10.0					1.13	****	0.081	0.0475	0.1180	0.0420	0.0180	0.0130	R
6-17-64	2/910	719	1.5	33000	49	0.0	73	200/10	OVCST	-L	1.69	1.01	0.069	0.0493	0.1140	0.0030	0.0010	0.0002	NP
						5.0					1.20	****	0.085	0.0477	0.1180	0.0160	0.0120	0.0030	NR
						10.0					0.94	****	0.083	0.0327	0.1300	0.0125	0.0070	0.0030	NR
6-17-64	3/911	859	1.5	33000	49	0.0	75	200/15	OVCST	NONE	1.07	1.04	0.071	0.0458	0.1150	0.0100	0.0035	0.0010	R
						5.0					1.72	****	0.065	0.0498	0.1165	0.0095	0.0020	0.0010	NP
						10.0					1.40	****	0.077	0.0451	0.1230	0.0110	0.0060	0.0030	**
6-17-64	4/912	919	1.5	33000	49	0.0	75	200/15	OVCST	NONE	1.27	1.04	0.074	0.0430	0.1180	0.0030	0.0010	0.0005	NR
						5.0					1.44	****	0.069	0.0508	0.1155	0.0060	0.0010	0.0005	N
						10.0					0.69	****	0.070	0.0293	0.1290	0.0055	0.0040	0.0025	R
6-17-64	5/913	1100	1.5	33000	49	0.0	84	200/15	OVCST	NONE	1.30	1.09	0.075	0.0486	0.1160	0.0110	0.0055	0.0030	NR
						5.0					2.66	****	0.052	0.0480	0.1160	0.0070	0.0055	0.0050	P
						10.0					0.89	****	0.077	0.0393	0.1260	0.0090	0.0040	0.0030	NR

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-17-64	6/914	1120	1.5	33000	49	0.0	84	200/15	OVCST	NONE	0.93	1.04	0.078	0.0351	0.1105	0.0080	0.0025	0.0005	R
						5.0					0.92	****	0.086	0.0473	0.1135	0.0160	0.0045	0.0025	R
						10.0					1.45	****	0.079	0.0542	0.1235	0.0125	0.0120	0.0110	NP
6-18-64	1/917	700	1.5	33000	49	0.0	77	180/20	BROKN	NONE	1.20	0.89	****	****	0.1135	0.0100	0.0060	0.0040	**
						5.0					1.12	****	0.076	0.0526	****	0.0275	0.0075	0.0050	R
						10.0					2.56	****	0.077	0.0538	****	0.0295	0.0250	0.0210	P
6-18-64	2/918	720	1.5	33000	49	0.0	77	180/20	BROKN	NONE	1.39	1.08	****	****	0.1140	0.0040	0.0020	0.0010	**
						5.0					1.21	****	0.072	0.0475	0.1175	0.0160	0.0030	0.0015	R
						10.0					1.28	****	0.069	0.0442	0.1300	0.0210	0.0070	0.0030	NR
6-18-64	3/919	900	1.5	33000	49	0.0	81	190/23	BROKN	NONE	1.24	1.03	****	****	0.1140	0.0080	0.0045	0.0020	NR
						5.0					1.15	****	0.070	0.0458	0.1150	0.0055	0.0030	0.0005	NR
						10.0					1.04	****	0.081	0.0404	0.1210	0.0200	0.0170	0.0085	C
6-18-64	4/920	919	1.5	33000	49	0.0	81	190/23	BROKN	NONE	1.15	0.99	****	****	0.1095	0.0050	0.0020	0.0010	NR
						5.0					1.69	****	0.066	0.0558	0.1125	0.0210	0.0070	0.0035	R
						10.0					2.68	****	0.069	0.0480	0.1150	0.0055	0.0050	0.0045	P
6-20-64	1/933	700	1.5	33000	49	0.0	79	200/20	BROKN	NONE	1.46	1.17	0.079	0.0514	0.1160	0.0080	0.0030	0.0020	NP
						5.0					1.67	****	0.068	0.0636	0.1180	0.0090	0.0045	0.0035	NR
						10.0					2.00	****	0.072	0.0397	0.1260	0.0060	0.0050	0.0035	P
6-20-64	2/934	720	1.5	33000	49	0.0	79	200/20	BROKN	NONE	1.27	1.20	0.076	0.0490	0.1160	0.0110	0.0030	0.0020	NR
						5.0					1.95	****	0.063	0.0541	0.1170	0.0030	0.0015	0.0005	NP
						10.0					0.81	****	0.077	0.0378	0.1250	0.0175	0.0080	0.0045	NR
6-21-64	1/941	700	1.5	33000	49	0.0	79	200/15	OVCST	NONE	1.82	1.28	0.065	0.0543	****	****	****	****	NP
						5.0					1.25	****	0.082	0.0502	0.1215	0.0100	0.0035	0.0025	NR
						10.0					0.77	****	0.080	0.0351	0.1290	0.0135	0.0025	0.0020	NR
6-21-64	2/942	719	1.5	33000	49	0.0	79	200/15	OVCST	NONE	2.25	1.36	0.074	0.0586	0.1200	0.0110	0.0080	0.0040	NP
						5.0					1.51	****	0.066	0.0526	0.1200	0.0110	0.0085	0.0060	NR
						10.0					1.04	****	0.079	0.0458	****	0.0060	0.0040	0.0030	**
6-22-64	1/949	659	1.5	33000	49	0.0	80	180/15	BROKN	NONE	1.63	1.11	0.069	0.0518	0.1130	0.0100	0.0013	0.0010	NR
						5.0					1.56	****	0.065	0.0494	0.1160	0.0035	0.0025	0.0020	NR
						10.0					1.04	****	0.072	0.0496	0.1230	0.0220	0.0060	0.0030	R
6-22-96	2/950	719	1.5	33000	49	0.0	80	180/15	BROKN	NONE	1.39	0.95	0.068	0.0485	0.1110	0.0090	0.0020	0.0010	NR
						5.0					1.32	****	0.078	0.0475	0.1155	0.0050	0.0025	0.0020	NR
						10.0					0.81	****	0.087	0.0427	0.1230	0.0360	0.0210	0.0060	R
6-23-64	1/958	721	1.5	33000	49	0.0	67	360/6	OVCST *	NONE	1.94	1.09	0.079	0.0581	****	0.0275	0.0240	0.0180	C
						5.0					1.08	****	0.084	0.0371	****	0.0110	0.0095	0.0055	C
						10.0					1.41	****	0.073	0.0480	0.1220	0.0110	0.0090	0.0070	NR
6-24-64	1/963	659	1.5	33000	49	0.0	68	360/6	CLEAR	NONE	1.70	1.23	0.075	0.0646	0.1200	0.0050	0.0020	0.0010	NR
						5.0					1.59	****	0.069	0.0553	0.1200	0.0040	0.0008	0.0005	NR
						10.0					1.87	****	0.076	0.0500	0.1260	0.0015	0.0008	0.0005	NP
6-24-64	2/964	719	1.5	33000	49	0.0	68	360/6	CLEAR	NONE	1.52	1.04	0.074	0.0581	0.1200	0.0090	0.0010	0.0005	NR
						5.0					1.65	****	0.070	0.0578	0.1220	0.0050	0.0010	0.0005	NR
						10.0					1.39	****	0.073	0.0537	0.1240	0.0060	0.0010	0.0005	NR
6-25-64	1/971	659	1.5	33000	49	0.0	74	10/5	CLEAR	NONE	1.88	1.17	0.077	0.0684	0.1180	0.0050	0.0001	0.0001	NR
						5.0					1.53	****	0.065	0.0544	0.1170	0.0050	0.0010	0.0002	NR
						10.0					1.46	****	0.072	0.0547	0.1260	0.0080	0.0020	0.0010	NR
6-25-64	2/972	720	1.5	33000	49	0.0	74	10/5	CLEAR	NONE	2.03	1.10	0.068	0.0645	0.1130	0.0050	0.0005	0.0001	NR
						5.0					1.76	****	0.062	0.0567	0.1125	0.0040	0.0010	0.0008	N
						10.0					1.59	****	0.068	0.0519	0.1170	0.0050	0.0015	0.0010	N

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-26-64	1/978	700	1.5	33000	49	0.0	72	120/4	CLEAR	NONE	1.88	1.35	0.072	0.0665	0.1170	0.0050	0.0010	0.0002	NR
						5.0					1.65	****	0.066	0.0547	0.1150	0.0055	0.0015	0.0005	NR
						10.0					1.54	****	0.072	0.0494	0.1240	0.0020	0.0010	0.0003	N
6-26-64	2/979	720	1.5	33000	49	0.0	72	120/4	CLEAR	NONE	2.07	1.40	0.068	0.0659	0.1140	0.0060	0.0010	0.0005	NR
						5.0					1.74	****	0.064	0.0537	0.1145	0.0060	0.0020	0.0010	NR
						10.0					1.54	****	0.072	0.0476	0.1230	0.0055	0.0025	0.0005	NR
6-27-64	1/985	700	1.5	33000	49	0.0	73	210/7	CLEAR	NONE	1.95	1.58	0.072	0.0706	0.1170	0.0100	0.0010	0.0005	NR
						5.0					1.82	****	0.067	0.0549	0.1240	0.0035	0.0005	0.0001	NP
						10.0					1.00	****	0.079	0.0434	0.1250	0.0180	0.0060	0.0040	R
6-27-64	2/986	720	1.5	33000	49	0.0	73	210/7	CLEAR	NONE	1.64	1.28	0.073	0.0650	0.1175	0.0105	0.0005	0.0002	NR
						5.0					1.51	****	0.080	0.0494	0.1180	0.0035	0.0010	0.0005	N
						10.0					0.98	****	0.082	0.0475	0.1260	0.0160	0.0090	0.0060	R
6-28-64	1/993	700	1.5	33000	49	0.0	74	120/6	CLEAR	NONE	1.86	1.32	0.080	0.0624	0.1230	0.0075	0.0010	0.0005	NR
						5.0					1.30	****	0.069	0.0467	0.1240	0.0015	0.0010	0.0005	NR
						10.0					1.00	****	0.084	0.0369	0.1280	0.0125	0.0065	0.0030	NR
6-28-64	2/994	720	1.5	33000	49	0.0	74	120/6	CLEAR	NONE	1.79	1.20	0.077	0.0605	0.1180	0.0050	0.0005	0.0002	NR
						5.0					1.67	****	0.071	0.0559	0.1180	0.0035	0.0005	0.0003	N
						10.0					1.65	****	0.069	0.0590	0.1270	0.0050	0.0020	0.0010	N
6-29-64	1/1000	700	1.5	33000	49	0.0	72	160/7	CLEAR	NONE	1.39	1.22	0.077	0.0571	0.1260	0.0100	0.0020	0.0005	NR
						5.0					1.40	****	0.074	0.0609	0.1260	0.0055	0.0010	0.0005	NR
						10.0					1.59	****	0.080	0.0534	0.1270	0.0045	0.0035	0.0030	N
6-29-64	2/1001	720	1.5	33000	49	0.0	72	160/7	CLEAR	NONE	1.53	1.28	0.079	0.5980	0.1200	0.0060	0.0010	0.0005	NR
						5.0					1.85	****	0.067	0.0576	0.1205	0.0035	0.0008	0.0005	NR
						10.0					2.60	****	0.078	0.0672	0.1290	0.0020	0.0015	0.0005	P
6-29-64	3/1002	859	1.5	33000	49	0.0	83	200/3	SCATD	NONE	1.67	****	0.075	0.0682	0.1190	0.0070	0.0015	0.0010	NR
						5.0					1.44	****	0.070	0.0498	0.1155	0.0055	0.0025	0.0005	NR
						10.0					1.64	****	0.077	0.0631	0.1220	0.0040	0.0020	0.0010	N
6-29-64	4/1003	919	1.5	33000	49	0.0	83	200/3	SCATD	NONE	1.69	****	0.079	0.0704	0.1190	0.0050	0.0010	0.0005	NR
						5.0					1.85	****	0.066	0.0528	0.1200	0.0035	0.0015	0.0008	NR
						10.0					2.07	****	0.071	0.0661	0.1290	0.0055	0.0045	0.0040	P
6-29-64	5/1004	1100	1.5	33000	49	0.0	90	200/9	BROKN	NONE	1.67	****	0.079	0.0574	0.1170	0.0130	0.0080	0.0060	NR
						5.0					0.86	****	0.108	0.0394	****	0.0215	0.0180	0.0140	R
						10.0					0.95	****	0.096	0.0413	****	0.0635	0.0350	0.0090	C
6-29-64	6/1005	1120	1.5	33000	49	0.0	90	200/9	BROKN	NONE	2.20	****	0.067	0.0755	0.1190	0.0225	0.0020	0.0010	C
						5.0					1.81	****	0.078	0.0596	0.1185	0.0030	0.0010	0.0010	NP
						10.0					1.60	****	0.072	0.0626	****	0.0070	0.0065	0.0060	C
6-30-64	1/1007	659	1.5	33000	49	0.0	74	160/8	BROKN	NONE	1.91	****	0.076	0.0643	0.1240	0.0040	0.0010	0.0005	N
						5.0					2.22	****	0.067	0.0580	0.1235	0.0030	0.0005	0.0005	NP
						10.0					1.90	****	0.070	0.0530	0.1380	0.0080	0.0010	0.0005	N
6-30-64	2/1008	720	1.5	33000	49	0.0	74	160/8	BROKN	NONE	1.59	****	0.069	0.0634	0.1170	0.0100	0.0010	0.0002	NR
						5.0					1.94	****	0.063	0.0572	0.1160	0.0060	0.0010	0.0005	NP
						10.0					****	****	****	****	****	****	****	****	**
7-1-64	1/1015	700	1.5	33000	49	0.0	76	200/8	SCATD	NONE	1.04	****	0.092	0.0488	****	0.0200	0.0180	0.0130	**
						5.0					1.83	****	0.060	0.0516	0.1160	0.0075	0.0010	0.0008	NR
						10.0					1.86	****	0.080	0.0564	****	0.0165	0.0150	0.0140	C
7-1-64	2/1016	720	1.5	33000	49	0.0	76	200/8	SCATD	NONE	1.06	****	0.077	0.0694	0.1175	0.0050	0.0020	0.0010	**
						5.0					1.76	****	0.078	0.0582	0.1260	0.0080	****	****	NR
						10.0					1.71	****	0.079	0.0436	0.1200	0.0080	0.0035	0.0030	P

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. ml.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-2-64	1/1023	700	1.5	33000	49	0.0	76	140/5	CLEAR	NONE	1.40	****	0.078	0.0539	0.1200	0.0040	0.0001	0.0001	NR
						5.0					1.83	****	0.065	0.0578	0.1195	0.0060	0.0010	0.0005	NR
						10.0					1.80	****	0.072	0.0570	0.1290	0.0050	0.0005	0.0002	N
7-2-64	2/1024	719	1.5	33000	49	0.0	76	140/5	CLEAR	NONE	1.15	****	0.078	0.0451	0.1230	0.0080	0.0005	0.0001	NR
						5.0					1.46	****	0.072	0.0438	0.1220	0.0055	0.0010	0.0005	NR
						10.0					1.66	****	0.069	0.0566	0.1260	0.0050	0.0020	0.0010	N
7-3-64	1/1031	700	1.5	33000	49	0.0	73	170/6	SCATD	NONE	1.45	****	0.082	0.0606	0.1210	0.0100	0.0025	0.0010	NR
						5.0					2.21	****	0.074	0.0648	0.1280	0.0025	0.0010	0.0005	NP
						10.0					1.04	****	0.092	0.0414	0.1340	0.0040	0.0030	0.0020	NP
7-3-64	2/1032	719	1.5	33000	49	0.0	73	170/6	SCATD	NONE	1.25	****	0.083	0.0544	0.1230	0.0100	0.0010	0.0005	NR
						5.0					2.08	****	0.067	0.0610	0.1235	0.0050	0.0020	0.0015	NP
						10.0					1.16	****	0.080	0.0467	0.1280	0.0125	0.0015	0.0010	NR
7-4-64	1/1039	700	1.5	33000	49	0.0	75	200/7	CLEAR	NONE	1.73	****	0.078	0.0465	0.1250	0.0050	0.0010	0.0002	NR
						5.0					****	****	****	****	****	****	****	****	**
						10.0					1.40	****	0.078	0.0551	0.1360	0.0095	0.0050	0.0030	NR
7-4-64	2/1040	720	1.5	33000	49	0.0	75	200/7	CLEAR	NONE	1.58	****	0.079	0.0659	0.1210	0.0060	0.0001	0.0001	NR
						5.0					1.35	****	0.072	0.0510	0.1200	0.0085	0.0020	0.0005	NR
						10.0					1.08	****	0.076	0.0471	0.1270	0.0020	0.0010	0.0005	N
7-5-64	1/1047	659	1.5	33000	49	0.0	81	220/15	BROKN	NONE	1.85	****	0.081	0.0517	0.1235	0.0100	0.0040	0.0025	NP
						5.0					1.99	****	0.076	0.0542	0.1250	0.0050	0.0030	0.0015	NP
						10.0					0.35	****	0.052	0.0085	****	****	****	****	**
7-5-64	2/1048	719	1.5	33000	49	0.0	81	220/15	BROKN	NONE	1.83	****	0.078	0.0618	0.1230	0.0013	0.0008	0.0005	NP
						5.0					1.81	****	0.073	0.0482	0.1240	0.0035	0.0015	0.0010	NP
						10.0					****	****	****	****	****	****	****	****	**
7-6-64	1/1055	700	1.5	33000	49	0.0	80	170/8	CLEAR	NONE	1.64	****	0.078	0.0629	0.1210	0.0090	0.0010	0.0005	NR
						5.0					1.50	****	0.072	0.0518	0.1225	0.0065	0.0035	0.0020	N
						10.0					0.54	****	0.090	0.0292	0.1330	0.0040	0.0025	0.0015	NR
7-6-64	2/1056	719	1.5	33000	49	0.0	80	170/8	CLEAR	NONE	1.85	****	0.077	0.0663	0.1200	0.0060	0.0010	0.0005	N
						5.0					1.44	****	0.069	0.0463	0.1250	0.0080	0.0020	0.0010	R
						10.0					0.31	****	0.096	0.0162	****	****	****	****	**
7-7-64	1/1063	659	1.5	33000	49	0.0	82	210/13	CLEAR	NONE	1.67	****	0.078	0.0615	0.1200	0.0010	0.0005	0.0001	NP
						5.0					1.35	****	0.062	0.0486	0.1220	0.0110	0.0015	0.0010	NR
						10.0					1.03	****	0.078	0.0462	0.1230	0.0050	0.0030	0.0010	NR
7-7-64	2/1064	720	1.5	33000	49	0.0	82	210/13	CLEAR	NONE	1.71	****	0.075	0.0577	0.1160	0.0110	0.0015	0.0005	NR
						5.0					2.46	****	0.067	0.0546	0.1165	0.0060	0.0035	0.0010	P
						10.0					0.95	****	0.081	0.0363	0.1270	0.0135	0.0110	0.0070	C
7-7-64	3/1065	859	1.5	33000	49	0.0	81	230/17	CLEAR	NONE	1.67	****	0.079	0.0690	0.1200	0.0025	0.0010	0.0005	N
						5.0					1.09	****	0.086	0.0569	0.1230	0.0160	0.0020	0.0040	R
						10.0					1.01	****	0.089	0.0458	0.1280	0.0230	0.0085	0.0020	R
7-8-64	1/1071	700	1.5	33000	49	0.0	83	320/11	SCATD	NONE	2.62	****	0.074	0.0680	0.1210	0.0030	0.0008	0.0005	P
						5.0					1.11	****	0.097	0.0446	****	0.0300	0.0220	0.0140	C
						10.0					0.99	****	0.076	0.0281	****	0.0290	0.0200	0.0160	C
7-8-64	2/1072	720	1.5	33000	49	0.0	83	320/11	SCATD	NONE	****	****	****	****	****	****	****	****	**
						5.0					****	****	****	****	****	****	****	****	**
						10.0					****	****	****	****	****	****	****	****	**
7-8-64	3/1073	900	1.5	33000	49	0.0	88	300/12	OVCST	NONE	1.43	****	0.072	0.0620	0.1230	0.0090	0.0005	0.0002	NR
						5.0					1.41	****	0.069	0.0531	0.1240	0.0045	0.0008	0.0005	NR
						10.0					1.09	****	0.085	0.0476	0.1330	0.0085	0.0045	0.0020	NR

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Continued

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-8-64	4/1074	920	1.5	33000	49	0.0	88	300/12	OVCST	NONE	1.55	****	0.080	0.0589	0.1200	0.0060	0.0025	0.0015	NR
						5.0					2.16	****	0.065	0.0550	0.1225	0.0010	0.0008	0.0005	NP
						10.0					2.16	****	0.082	0.0679	0.1290	0.0080	0.0065	0.0055	P
7-9-64	1/1079	659	1.5	33000	49	0.0	79	180/7	SCATD	NONE	1.56	****	0.077	0.0632	0.1230	0.0080	0.0001	0.0001	NR
						5.0					1.76	****	0.068	0.0626	0.1225	0.0055	0.0005	0.0005	N
						10.0					1.37	****	0.077	0.0404	0.1300	0.0035	0.0020	0.0015	N
7-9-64	2/1080	719	1.5	33000	49	0.0	79	180/7	SCATD	NONE	1.75	****	0.074	0.0586	0.1160	0.0040	0.0015	0.0005	NR
						5.0					2.00	****	0.065	0.0556	0.1140	0.0060	0.0010	0.0005	NP
						10.0					1.41	****	0.076	0.0464	0.1250	0.0065	0.0040	0.0020	N
7-10-64	1/1087	700	1.5	33000	49	0.0	78	150/11	SCATD	NONE	1.91	****	0.075	0.0666	0.1270	0.0110	0.0035	0.0010	NR
						5.0					2.06	****	0.070	0.0594	0.1280	0.0035	0.0015	0.0010	NP
						10.0					1.22	****	0.078	0.0417	0.1300	0.0040	0.0015	0.0010	N
7-10-64	2/1088	720	1.5	33000	49	0.0	78	150/11	SCATD	NONE	2.00	****	0.067	0.0621	0.1230	0.0080	0.0008	0.0005	N
						5.0					1.68	****	0.071	0.0546	0.1240	0.0045	0.0010	0.0005	N
						10.0					0.47	****	0.092	0.0182	0.1280	0.0305	0.0080	0.0050	R
7-11-64	1/1095	659	1.5	33000	49	0.0	83	170/13	BROKN	NONE	1.57	****	0.070	0.0531	0.1200	0.0120	0.0045	0.0030	NR
						5.0					0.70	****	0.074	0.0304	****	0.0255	0.0070	0.0055	C
						10.0					0.49	****	0.100	0.0226	****	0.0420	0.0290	0.0130	R
7-11-64	2/1096	719	1.5	33000	49	0.0	83	170/13	BROKN	NONE	2.03	****	0.063	0.0595	0.1170	0.0045	0.0015	0.0005	P
						5.0					1.85	****	0.062	0.0517	0.1180	0.0080	0.0035	0.0030	NR
						10.0					1.43	****	0.073	0.0351	0.1230	0.0075	0.0030	0.0020	NP
7-12-64	1/1103	659	1.5	33000	49	0.0	74	360/12	SCATD	NONE	1.81	****	0.068	0.0665	0.1150	0.0100	0.0010	0.0005	NR
						5.0					1.70	****	0.062	0.0504	0.1150	0.0045	0.0008	0.0005	N
						10.0					2.17	****	0.072	0.0506	0.1200	0.0025	0.0020	0.0015	P
7-12-64	2/1104	720	1.5	33000	49	0.0	74	360/12	SCATD	NONE	1.55	****	****	****	0.1140	0.0110	0.0050	0.0005	**
						5.0					1.68	****	0.056	0.0504	0.1120	0.0095	0.0045	0.0013	NR
						10.0					1.79	****	0.067	0.0518	0.1200	0.0070	0.0020	0.0015	NP
7-13-64	1/1111	700	1.5	33000	49	0.0	63	330/6	CLEAR	NONE	1.70	****	0.071	0.0655	0.1170	0.0110	0.0010	0.0005	NR
						5.0					1.68	****	0.063	0.0554	0.1160	0.0055	0.0003	0.0002	NR
						10.0					1.92	****	0.070	0.0631	0.1260	0.0020	0.0010	0.0005	NP
7-13-64	2/1112	719	1.5	33000	49	0.0	63	330/6	CLEAR	NONE	1.91	****	0.068	0.0645	0.1190	0.0105	0.0010	0.0005	NR
						5.0					1.87	****	0.062	0.0605	0.1170	0.0050	0.0010	0.0005	NR
						10.0					1.69	****	0.069	0.0574	0.1220	0.0060	0.0015	0.0010	NP
7-14-64	1/1119	659	1.5	33000	49	0.0	68	160/12	SCATD	NONE	1.53	****	0.078	0.0667	0.1250	0.0130	0.0035	0.0010	NR
						5.0					1.73	****	0.071	0.0594	0.1240	0.0040	0.0020	0.0005	NP
						10.0					1.50	****	0.075	0.0527	0.1280	0.0035	0.0005	0.0001	N
7-14-64	2/1120	717	1.5	33000	49	0.0	68	160/12	SCATD	NONE	2.06	****	0.076	0.0660	0.1250	0.0030	0.0025	0.0015	NR
						5.0					1.73	****	0.070	0.0570	0.1230	0.0020	0.0013	0.0010	NP
						10.0					1.11	****	0.076	0.0490	0.1290	0.0135	0.0040	0.0015	NR
7-15-64	1/1127	700	1.5	33000	49	0.0	77	170/15	SCATD	NONE	1.81	****	0.081	0.0659	0.1250	0.0025	0.0025	0.0010	NP
						5.0					1.34	****	0.073	0.0548	0.1220	0.0065	0.0020	0.0010	NR
						10.0					1.48	****	0.077	0.0501	0.1270	0.0035	0.0020	0.0015	N
7-15-64	2/1128	720	1.5	33000	49	0.0	77	170/15	SCATD	NONE	1.67	****	0.080	0.0545	0.1220	0.0110	0.0040	0.0015	NR
						5.0					1.47	****	0.068	0.0501	0.1210	0.0090	0.0035	0.0025	NR
						10.0					1.69	****	0.083	0.0605	0.1300	0.0105	0.0080	0.0060	NP
7-16-64	1/1135	700	1.5	33000	49	0.0	77	150/14	BROKN	NONE	1.63	****	0.081	0.0641	0.1230	0.0075	0.0025	0.0010	NR
						5.0					2.08	****	0.069	0.0573	0.1210	0.0020	0.0013	0.0010	NP
						10.0					1.01	****	0.089	0.0481	0.1270	0.0340	0.0035	0.0015	**

TABLE XIX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE B
FOR AN ALTITUDE RANGE OF 28,000 TO 33,000 FEET - Concluded

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
7-16-64	2/1136	719	1.5	33000	49	0.0	77	150/14	BROKN	NONE	1.77	****	0.079	0.0613	0.1215	0.0030	0.0020	0.0010	NR
						5.0					2.08	****	0.061	0.0549	0.1230	0.0030	0.0015	0.0005	NP
						10.0					1.80	****	0.067	0.0504	0.1320	0.0055	0.0040	0.0020	NP
7-17-64	1/1143	700	1.5	33000	49	0.0	78	150/14	OVCST	NONE	1.46	****	0.078	0.0667	0.1215	0.0120	0.0020	0.0005	NR
						5.0					1.87	****	0.071	0.0584	0.1210	0.0015	0.0008	0.0005	N
						10.0					2.14	****	0.071	0.0628	0.1300	0.0060	0.0040	0.0020	P
7-17-64	2/1144	720	1.5	33000	49	0.0	78	150/14	OVCST	NONE	1.90	****	0.074	0.0620	0.1170	0.0065	0.0015	0.0010	NR
						5.0					2.11	****	0.062	0.0606	0.1180	0.0060	0.0025	0.0005	NR
						10.0					2.36	****	0.072	0.0687	0.1290	0.0040	0.0030	0.0020	P
7-18-64	1/1151	700	1.5	33000	49	0.0	77	150/12	BROKN	NONE	1.60	****	0.071	0.0606	0.1230	0.0015	0.0010	0.0005	NR
						5.0					1.90	****	0.074	0.0532	0.1230	0.0015	0.0008	0.0005	NP
						10.0					1.17	****	0.088	0.0456	****	0.0300	0.0245	0.0030	C
7-19-64	1/1159	700	1.5	33000	49	0.0	76	150/11	SCATD	NONE	1.89	****	0.068	0.0636	0.1220	0.0100	0.0002	0.0001	NR
						5.0					1.25	****	0.079	0.0520	0.1230	0.0070	0.0025	0.0005	NR
						10.0					1.13	****	0.077	0.0408	0.1370	0.0013	0.0008	0.0005	NR
7-20-64	1/1167	659	1.5	33000	49	0.0	75	180/6	CLEAR	NONE	1.64	****	0.079	0.0677	0.1210	0.0100	0.0040	0.0020	NR
						5.0					1.18	****	0.081	0.0478	0.1260	0.0035	0.0010	0.0005	NR
						10.0					0.66	****	0.092	0.0331	0.1310	0.0050	0.0025	0.0015	NR
7-20-64	2/1168	719	1.5	33000	49	0.0	75	180/6	CLEAR	NONE	2.25	****	0.066	0.0705	0.1180	0.0050	0.0030	0.0010	NP
						5.0					1.53	****	0.080	0.0538	0.1225	0.0010	0.0005	0.0003	N
						10.0					1.12	****	0.079	0.0502	0.1250	0.0060	0.0010	0.0005	NR
6-10-64	2/861	718	1.5	32000	49	0.0	76	170/11	SCATD	NONE	1.33	1.11	0.069	0.0485	0.1150	0.0095	0.0030	0.0005	NR
						5.0					1.31	****	0.068	0.0509	0.1185	0.0070	0.0025	0.0015	NR
						10.0					1.01	****	0.082	0.0394	0.1240	0.0155	0.0075	0.0040	NR
6-6-64	1/828	659	1.2	30000	49	0.0	60	50/5	BROKN	NONE	0.98	1.20	0.088	0.0519	0.1300	0.0100	0.0010	0.0005	R
						5.0					1.56	****	0.071	0.0483	0.1320	0.0040	0.0015	0.0008	N
						10.0					1.27	****	0.087	0.0590	0.1390	0.0010	0.0005	0.0002	**
6-6-64	2/829	720	1.2	30000	49	0.0	60	50/5	BROKN	NONE	1.10	1.08	0.086	0.0529	0.1290	0.0025	0.0005	0.0002	NR
						5.0					1.93	****	0.074	0.0636	0.1320	0.0015	0.0005	0.0002	N
						10.0					0.65	****	0.094	0.0344	0.1410	0.0145	0.0045	0.0010	R
6-6-64	7/834	1259	1.3	30000	49	0.0	81	170/8	SCATD	NONE	1.46	1.49	0.079	0.0661	0.1230	0.0130	0.0008	0.0005	R
						5.0					1.93	****	0.073	0.0576	0.1220	0.0060	0.0040	0.0020	NR
						10.0					1.24	****	0.089	0.0504	****	0.0175	0.0140	0.0090	C
6-6-64	8/835	1320	1.3	30000	49	0.0	81	170/8	SCATD	NONE	1.74	1.41	0.086	0.0662	0.1130	0.0060	0.0035	0.0020	NP
						5.0					2.46	****	0.066	0.0767	0.1200	0.0045	0.0020	0.0015	NP
						10.0					2.14	****	0.072	0.0477	0.1220	0.0150	0.0080	0.0010	P
6-6-64	3/830	859	1.5	28000	49	0.0	69	160/5	CLEAR	NONE	1.69	1.74	0.076	0.0678	0.1140	0.0060	0.0030	0.0010	NR
						5.0					3.16	****	0.063	0.0595	0.1190	0.0015	0.0010	0.0005	P
						10.0					1.44	****	0.082	0.0522	0.1310	0.0060	0.0040	0.0020	NP
6-6-64	4/831	920	1.5	28000	49	0.0	69	160/5	CLEAR	NONE	2.15	1.57	0.074	0.0633	0.1130	0.0035	0.0008	0.0005	NP
						5.0					1.62	****	0.067	0.0522	0.1160	0.0150	0.0035	0.0025	NR
						10.0					1.94	****	0.069	0.0583	0.1270	0.0015	0.0005	0.0002	P

TABLE XX.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE C
FOR AN ALTITUDE RANGE FROM 29,000 TO 37,000 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta Pi lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
6-12-64	1/874	705	2.0	37000	49	0.0	75	180/14	BROKN	NONE	0.98	0.75	0.058	0.0274	****	****	****	****	R
						5.0					0.08	****	0.068	0.0321	****	****	****	****	R
						10.0					0.89	****	0.060	0.0331	****	****	****	****	C
6-12-64	2/875	723	1.8	34000	49	0.0	75	180/14	BROKN	NONE	1.07	0.70	0.055	0.0304	****	****	****	****	R
						5.0					1.23	****	0.050	0.0395	****	****	****	****	NR
						10.0					0.86	****	0.069	0.0331	****	****	****	****	R
6-13-64	6/886	1319	1.5	33000	49	0.0	74	130/8	OVCST	-RW	1.64	1.21	0.064	0.0507	****	****	****	****	NR
						5.0					1.34	****	0.072	0.0534	****	****	****	****	NR
						10.0					1.17	****	0.080	0.0432	****	****	****	****	C
7-18-64	4/1154	918	2.0	33000	49	0.0	84	190/10	SCATD	NONE	1.51	****	0.062	0.0464	****	****	****	****	NR
						5.0					1.23	****	0.057	0.0399	****	****	****	****	NR
						10.0					0.90	****	0.068	0.0324	****	****	****	****	NR
6-12-64	5/878	1124	1.8	31000	49	0.0	77	200/13	OVCST	NONE	1.09	0.92	0.062	0.0323	****	****	****	****	R
						5.0					1.17	****	0.062	0.0300	****	****	****	****	R
						10.0					0.45	****	0.077	0.0171	****	****	****	****	R
7-18-64	2/1152	721	2.0	31000	49	0.0	77	150/12	BROKN	NONE	1.53	****	0.057	0.0423	****	****	****	****	NR
						5.0					1.08	****	0.059	0.0327	****	****	****	****	NR
						10.0					1.11	****	0.065	0.0338	****	****	****	****	NR
6-13-64	2/882	722	1.7	30000	49	0.0	77	180/11	OVCST	NONE	****	****	****	****	****	****	****	****	**
						5.0					1.75	****	0.055	0.0372	****	****	****	****	NP
						10.0					2.36	****	0.053	0.0374	****	****	****	****	P
7-18-64	6/1156	1118	2.0	29000	49	0.0	90	180/10	SCATD	NONE	1.56	****	0.060	0.0489	****	****	****	****	NR
						5.0					2.05	****	0.054	0.0445	****	****	****	****	P
						10.0					1.24	****	0.077	0.0338	****	****	****	****	C
7-18-64	8/1158	1319	2.0	29000	49	0.0	91	180/10	SCATD	NONE	1.67	****	0.063	0.0496	****	****	****	****	R
						5.0					1.25	****	0.070	0.0420	****	****	****	****	**
						10.0					0.99	****	0.073	0.0343	****	****	****	****	R
7-19-64	2/1160	720	1.7	29000	49	0.0	76	150/11	SCATD	NONE	1.31	****	0.061	0.0495	****	****	****	****	NR
						5.0					1.02	****	0.060	0.0382	****	****	****	****	NR
						10.0					0.81	****	0.067	0.0331	****	****	****	****	NR
7-19-64	4/1162	919	1.7	29000	49	0.0	88	230/15	CLEAR	NONE	1.38	****	0.063	0.0522	****	****	****	****	NR
						5.0					0.84	****	0.065	0.0322	****	****	****	****	NR
						10.0					0.83	****	0.080	0.0355	****	****	****	****	R

TABLE XXI.- SUMMARY OF SONIC-BOOM DATA FOR VARIOUS FLIGHTS OF AIRPLANE D
FOR AN ALTITUDE OF 43,000 AND 49,900 FEET

Date	Flight No.	Time	Mach No.	Alt. ft	Head. mag. deg	Lateral Displ. mi.	Temp f	Winds deg/knots	Cover	Precip.	Delta Po lb/sq ft	Delta P1 lb/sq ft	Delta to sec	Delta Io lb-sec/sq ft	Delta T sec	Delta tau max sec	Delta tau 3/4 sec	Delta tau 1/2 sec	Type Signature
3-23-64	4/313	920	2.0	49900	49	0.0 5.0 10.0	58	180/15	SCATD	NONE	1.69 2.32 1.70	1.12 0.90 0.66	**** 0.084 0.082	**** 0.1010 0.0701	**** **** ****	**** **** ****	**** **** ****	**** **** ****	** NR NR
3-25-64	1/326	920	2.0	49900	49	0.0 5.0 10.0	27	360/15	OVCST	-S, F	1.34 1.03 1.03	1.10 **** ****	**** 0.105 0.090	**** 0.0593 0.0471	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR R NR
3-26-64	4/334	916	2.0	49900	49	0.0 5.0 10.0	26	CALM	CLEAR	NONE	2.39 1.69 1.35	**** **** ****	**** 0.088 0.078	**** 0.0788 0.0512	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NP NR N
3-27-64	4/342	920	2.0	49900	49	0.0 5.0 10.0	46	170/7	SCATD	NONE	1.46 1.74 1.47	**** **** ****	**** 0.083 0.080	**** 0.0873 0.0632	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR NR NP
5-25-64	10/747	921	2.0	49900	49	0.0 5.0 10.0	81	190/10	OVCST	NONE	1.24 1.67 1.65	**** **** ****	**** 0.096 0.086	**** 0.0802 0.0800	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR N N
5-26-64	10/755	919	2.0	49900	49	0.0 5.0 10.0	83	210/18	BROKN	NONE	1.44 1.77 1.13	**** **** ****	**** 0.093 0.095	**** 0.0738 0.0683	**** **** ****	**** **** ****	**** **** ****	**** **** ****	N N NR
5-27-64	10/763	920	2.0	49900	49	0.0 5.0 10.0	80	180/12	SCATD	NONE	1.26 1.49 1.71	**** **** ****	**** 0.110 0.100	**** 0.0705 0.0812	**** **** ****	**** **** ****	**** **** ****	**** **** ****	N NR NP
5-28-64	10/771	925	2.0	49900	49	0.0 5.0 10.0	58	360/10	OVCST	NONE	1.51 1.62 0.99	**** **** ****	**** 0.100 0.083	**** 0.0753 0.0689	**** **** ****	**** **** ****	**** **** ****	**** **** ****	N N NR
7-1-64	4/1018	920	2.0	49900	49	0.0 5.0 10.0	78	200/10	SCATD	NONE	1.87 2.26 0.82	**** **** ****	**** 0.094 0.088	**** 0.1120 0.0688	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR NP R
7-6-64	4/1058	920	2.0	49900	49	0.0 5.0 10.0	88	220/20	CLEAR	NONE	1.92 1.57 1.29	**** **** ****	**** 0.099 0.100	**** 0.0884 0.0735	**** **** ****	**** **** ****	**** **** ****	**** **** ****	N NR NR
7-10-64	10/1090	920	2.0	49900	49	0.0 5.0 10.0	88	190/10	BROKN	NONE	1.95 1.27 1.29	**** **** ****	**** 0.102 0.108	**** 0.0877 0.0830	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR R NR
6-22-64	10/952	919	1.8	43000	49	0.0 5.0 10.0	84	190/16	SCATD	NONE	1.68 3.83 2.25	**** **** ****	**** 0.096 0.084	**** 0.0697 0.0712	**** **** ****	**** **** ****	**** **** ****	**** **** ****	NR P P

TABLE XXII.- SUMMARY OF DATA POINTS AT EACH MEASURING STATION FOR VARIOUS FLIGHT CONDITIONS

Table	Air- plane	Alt. ft	Mach	Station 1 (On Track)			Station 3 (5 miles)			Station 4 (10 miles)		
				Number of Data Points	Delta Po (calc) psf	Delta Io (calc) lb-sec/ sq ft	Number of Data Points	Delta Po (calc) psf	Delta Io (calc) lb-sec/ sq ft	Number of Data Points	Delta Po (calc) psf	Delta Io (calc) lb-sec/ sq ft
I	A	41000	2.0	3	0.90	0.0235	3	0.81	0.0221	3	0.64	0.0188
I	A	38000	1.5	8	0.93	0.0247	9	0.81	0.0227	8	0.63	0.0192
I	A	37000	1.5	1	0.96	0.0255	1	0.84	0.0235	1	0.65	0.0197
I	A	36000	1.5	1	1.00	0.0263	1	0.88	0.0243	***	0.67	0.0203
II	A	35000	2.0	1	1.17	0.0292	1	1.02	0.0269	1	0.77	0.0223
II	A	35000	1.7	1	1.09	0.0277	1	0.96	0.0256	1	0.73	0.0213
II	A	35000	1.5	26	1.05	0.0273	26	0.91	0.0251	25	0.69	0.0209
II	A	34000	1.8	1	1.17	0.0290	1	1.02	0.0268	1	0.77	0.0222
II	A	33000	1.7	1	1.19	0.0293	1	1.03	0.0271	1	0.77	0.0224
II	A	33000	1.5	2	1.13	0.0289	2	0.98	0.0265	2	0.73	0.0219
III	A	32000	1.8	3	1.27	0.0307	3	1.09	0.0283	3	0.81	0.0232
III	A	32000	1.5	103	1.18	0.0297	101	1.02	0.0273	106	0.76	0.0224
IV	A	31000	1.5	17	1.23	0.0306	17	1.06	0.0281	17	0.78	0.0229
V	A	30000	1.8	2	1.38	0.0326	2	1.18	0.0300	1	0.86	0.0243
V	A	30000	1.7	76	1.35	0.0320	78	1.16	0.0295	74	0.84	0.0239
V	A	30000	1.5	68	1.28	0.0315	70	1.10	0.0289	69	0.80	0.0234
VI	A	29000	1.8	1	1.44	0.0336	1	1.22	0.0308	***	0.89	0.0249
VI	A	29000	1.7	27	1.41	0.0331	26	1.20	0.0304	25	0.87	0.0245
VI	A	29000	1.55	1	1.36	0.0326	1	1.15	0.0298	1	0.84	0.0241
VI	A	29000	1.5	29	1.34	0.0324	29	1.14	0.0297	26	0.83	0.0240
VII	A	28000	1.7	34	1.47	0.0341	33	1.24	0.0312	34	0.89	0.0251
VII	A	28000	1.5	168	1.40	0.0335	169	1.18	0.0305	155	0.85	0.0245
VIII	A	27000	1.7	5	1.54	0.0352	5	1.29	0.0321	5	0.92	0.0256
VIII	A	27000	1.5	8	1.47	0.0346	8	1.22	0.0314	8	0.87	0.0251
VIII	A	27000	1.3	5	1.36	0.0347	4	1.14	0.0316	4	0.81	0.0252
VIII	A	26000	1.5	2	1.54	0.0357	2	1.27	0.0323	2	0.90	0.0256
IX	A	24000	1.5	11	1.69	0.0382	11	1.37	0.0341	11	0.95	0.0267
IX	A	24000	1.4	8	1.62	0.0377	8	1.32	0.0340	7	0.92	0.0266
IX	A	24000	1.3	1	1.56	0.0383	1	1.27	0.0343	1	0.88	0.0269
X	A	23000	1.6	1	1.81	0.0396	1	1.46	0.0353	1	1.00	0.0275
X	A	23000	1.5	2	1.77	0.0394	2	1.42	0.0350	1	0.97	0.0273
X	A	23000	1.4	2	1.70	0.0391	4	1.37	0.0349	4	0.94	0.0272
X	A	23000	1.3	11	1.64	0.0396	13	1.31	0.0352	13	0.90	0.0274
X	A	21000	1.5	3	1.97	0.0425	3	1.52	0.0369	3	1.03	0.0285
X	A	21000	1.4	3	1.89	0.0420	3	1.47	0.0368	3	0.99	0.0284
XI	B	46000	1.5	21	1.12	0.0398	21	0.97	0.0356	21	0.75	0.0296
XI	B	46000	1.4	7	1.08	0.0394	8	0.94	0.0355	8	0.73	0.0295
XI	B	45000	1.5	9	1.16	0.0409	9	1.00	0.0365	8	0.77	0.0302
XII	B	44000	1.5	69	1.20	0.0420	70	1.02	0.0373	70	0.79	0.0309
XIII	B	43000	1.5	20	1.23	0.0430	19	1.05	0.0382	19	0.81	0.0315
XIII	B	42000	1.5	17	1.28	0.0443	17	1.08	0.0391	17	0.83	0.0322
XIII	B	42000	1.4	4	1.22	0.0437	4	1.05	0.0390	3	0.80	0.0321
XIV	B	41000	1.6	1	1.37	0.0463	1	1.14	0.0403	1	0.87	0.0331
XIV	B	41000	1.5	32	1.32	0.0454	32	1.11	0.0401	32	0.85	0.0329
XV	B	40000	1.5	6	1.36	0.0467	6	1.15	0.0411	6	0.87	0.0336
XV	B	40000	1.4	3	1.31	0.0462	3	1.11	0.0410	2	0.84	0.0335
XV	B	39000	1.5	17	1.42	0.0483	18	1.18	0.0421	18	0.89	0.0344
XV	B	38000	1.4	13	1.41	0.0491	13	1.18	0.0431	13	0.88	0.0351
XVI	B	37000	1.5	76	1.53	0.0513	77	1.26	0.0444	77	0.93	0.0360
XVI	B	36000	1.5	7	1.59	0.0530	8	1.29	0.0456	8	0.96	0.0368
XVII	B	35000	1.5	105	1.65	0.0546	105	1.34	0.0468	105	0.98	0.0377
XVIII	B	34000	1.6	1	1.77	0.0570	2	1.42	0.0482	2	1.03	0.0387
XVIII	B	34000	1.5	14	1.72	0.0562	14	1.38	0.0479	12	1.01	0.0384
XVIII	B	34000	1.4	3	1.65	0.0558	3	1.34	0.0478	3	0.97	0.0383
XIX	B	33000	1.5	115	1.78	0.0577	115	1.42	0.0489	114	1.03	0.0391
XIX	B	33000	1.4	2	1.72	0.0573	2	1.38	0.0488	2	1.00	0.0390
XIX	B	32000	1.5	1	1.85	0.0592	1	1.47	0.0501	1	1.06	0.0398
XIX	B	30000	1.3	2	1.84	0.0620	2	1.45	0.0527	2	1.03	0.0416
XIX	B	30000	1.2	2	1.75	0.0645	2	1.37	0.0542	2	0.97	0.0428
XIX	B	28000	1.5	2	2.17	0.0658	2	1.67	0.0549	2	1.17	0.0429
XX	C	37000 TO 29000	2.0 TO 1.5	10			11			11		
XXI	D	49900 TO 43000	2.0 TO 1.85	12			12			12		

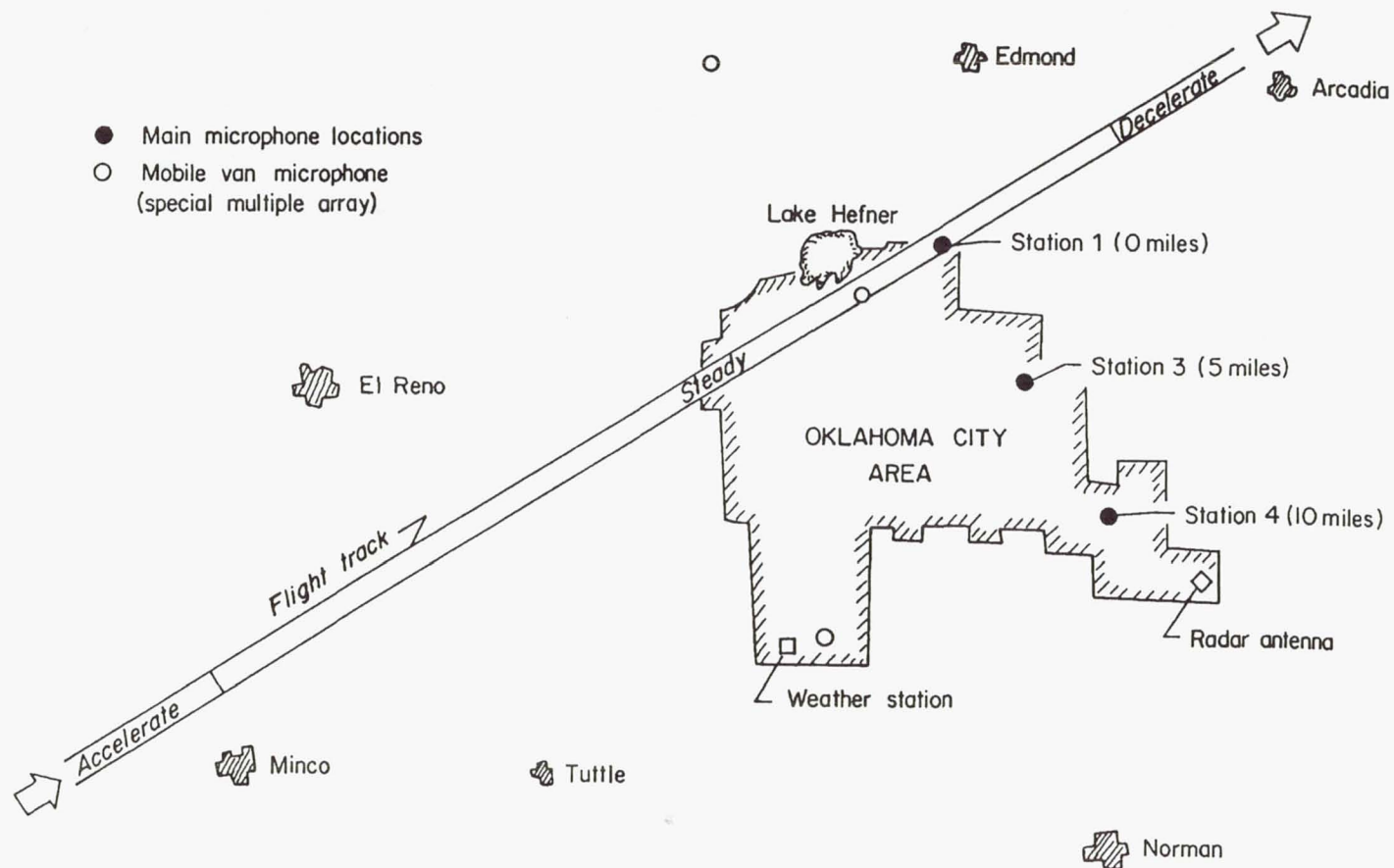


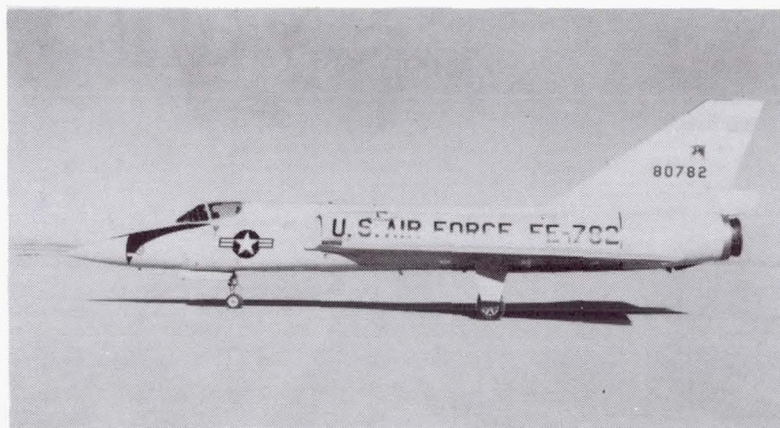
Figure 1.- Planview sketch of test area showing flight track, measuring stations, and facilities.



(a) Airplane A



(b) Airplane B



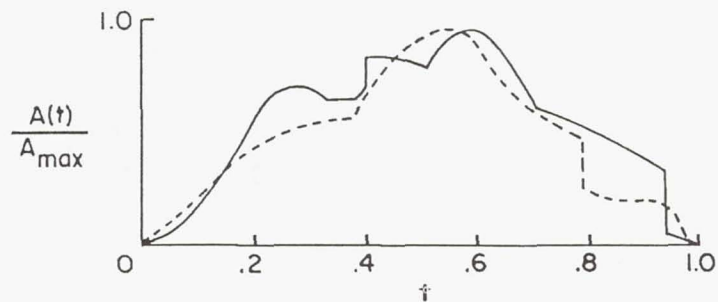
(c) Airplane C



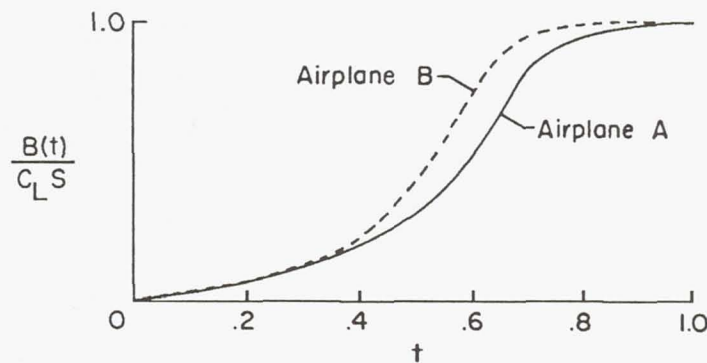
(d) Airplane D

Figure 2. - Airplanes used in test program.

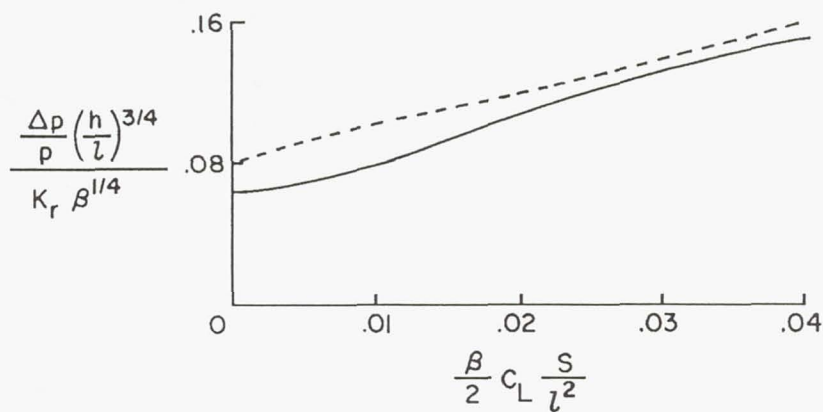
L-64-8368



(a) Volume distribution.

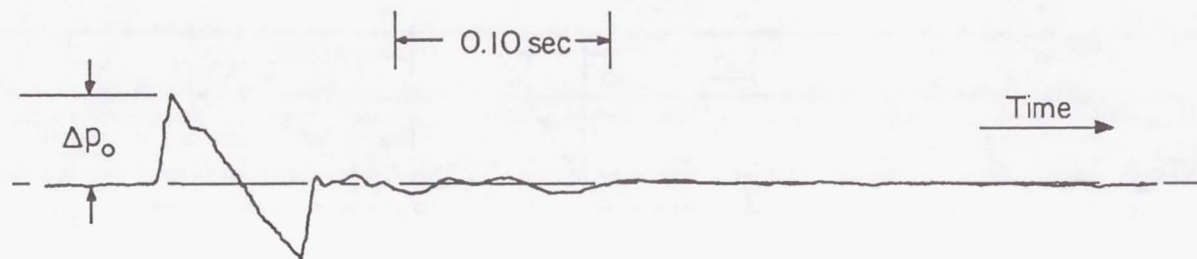


(b) Lift distribution.



(c) Sonic-boom characteristics in parametric form.

Figure 3.- Definition of inputs to sonic-boom overpressure calculations by the machine computer procedures described in appendix of reference 7.



(a) Outside microphone.



(b) Inside microphone.

Figure 4.- Sample sonic-boom pressure time histories for both inside and outside microphone locations.
(Data are for Airplane A at Station 1)

Sonic Boom Signature Parameters

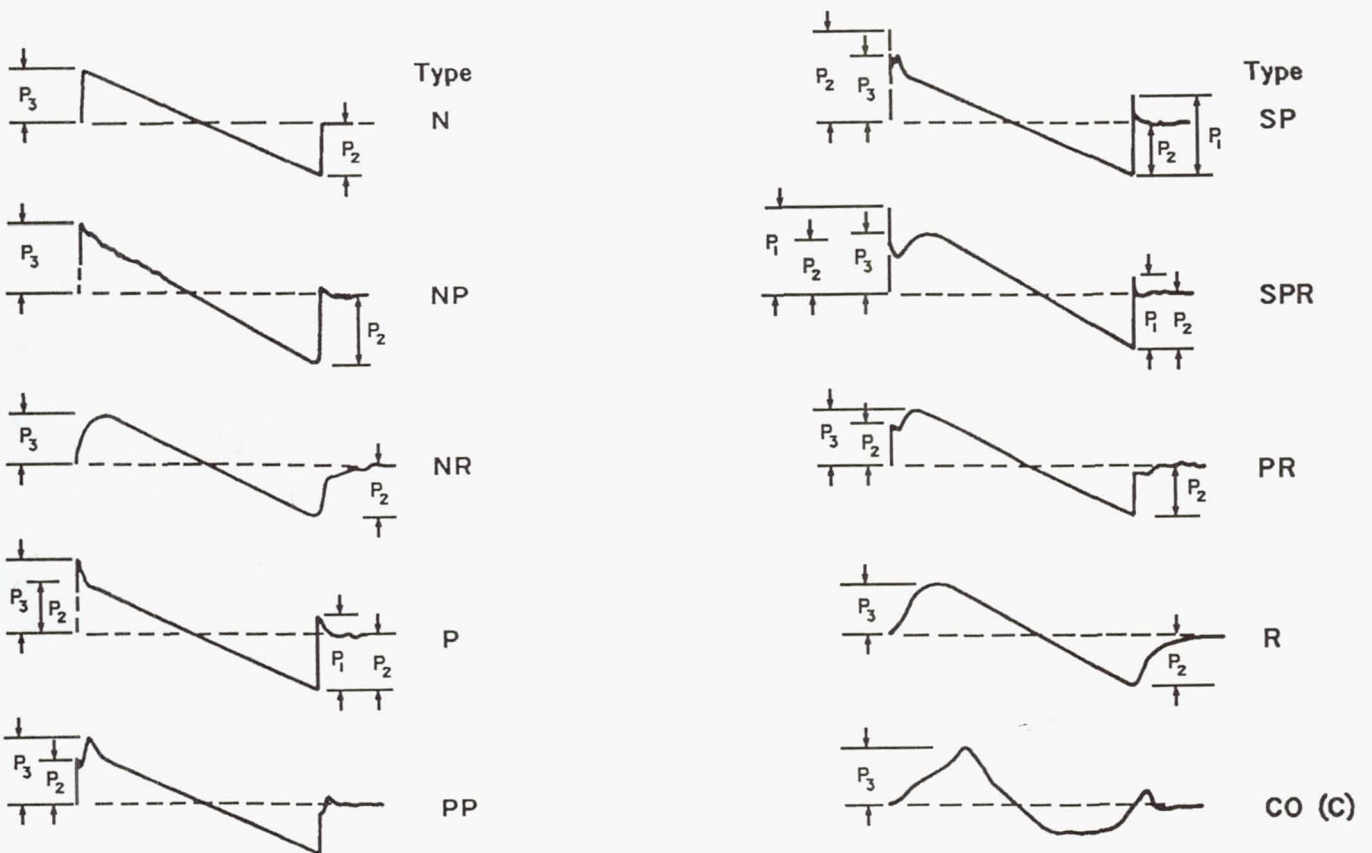
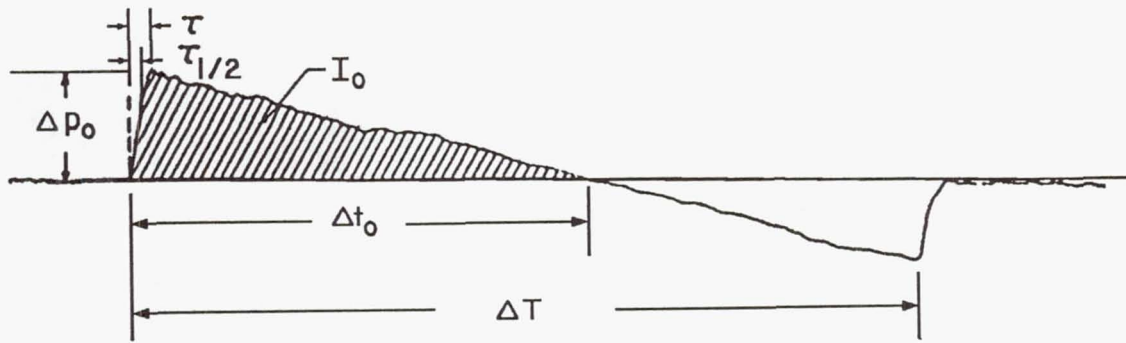


Figure 5.- Diagrams of waveforms which represent the various categories of measured sonic-boom signatures.

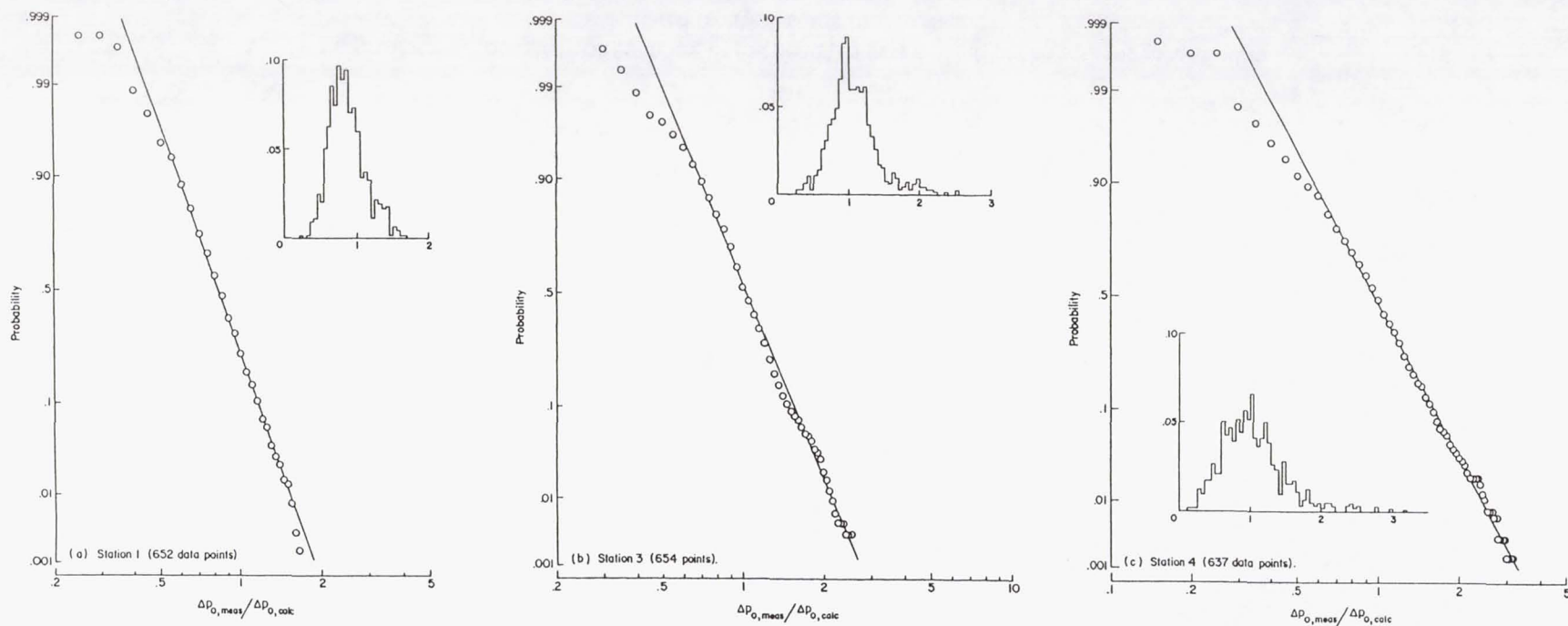


Figure 6.- Probability of equaling or exceeding a given value of the ratio of measured to calculated overpressures for Airplane A.

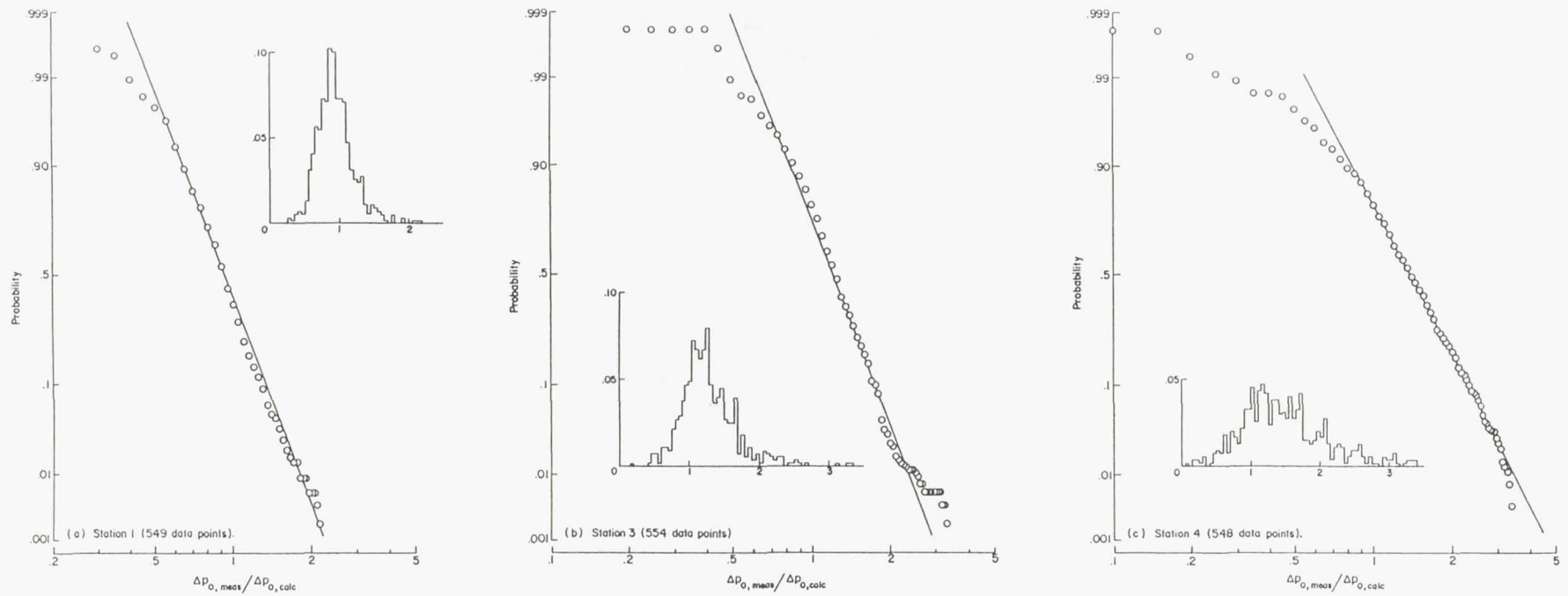


Figure 7.- Probability of equaling or exceeding a given value of the ratio of measured to calculated overpressures for Airplane B.

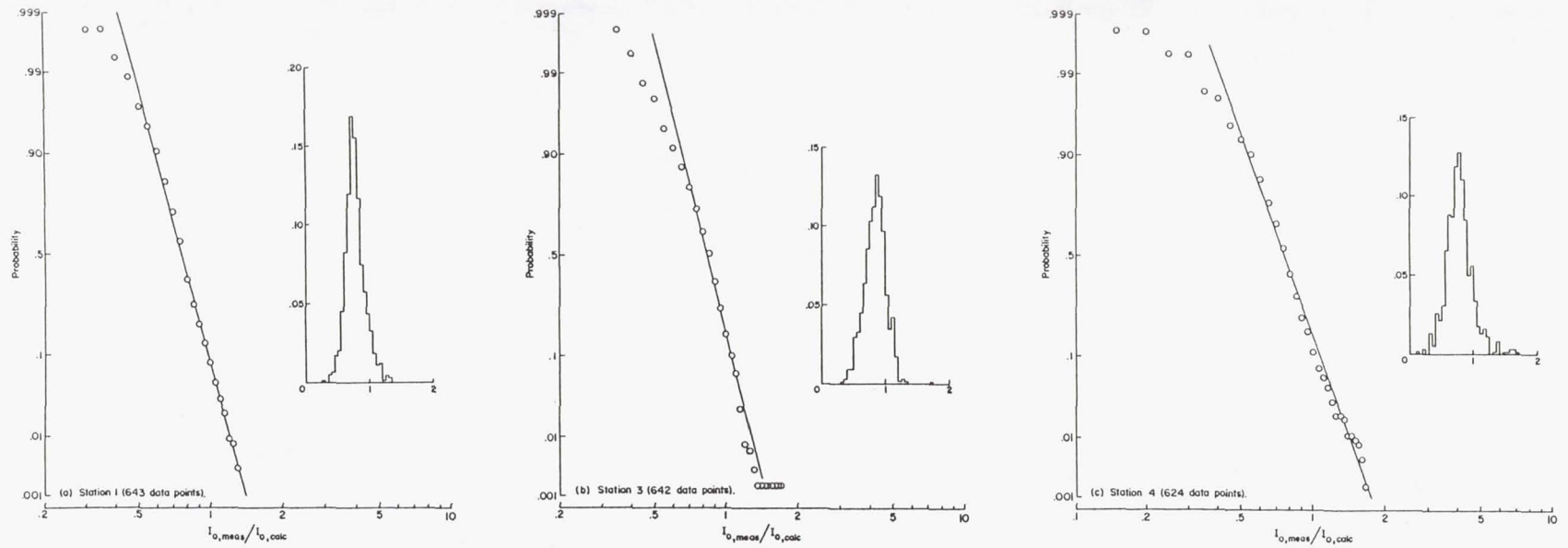


Figure 8.- Probability of equaling or exceeding a given value of the ratio of measured to calculated positive impulse for Airplane A.

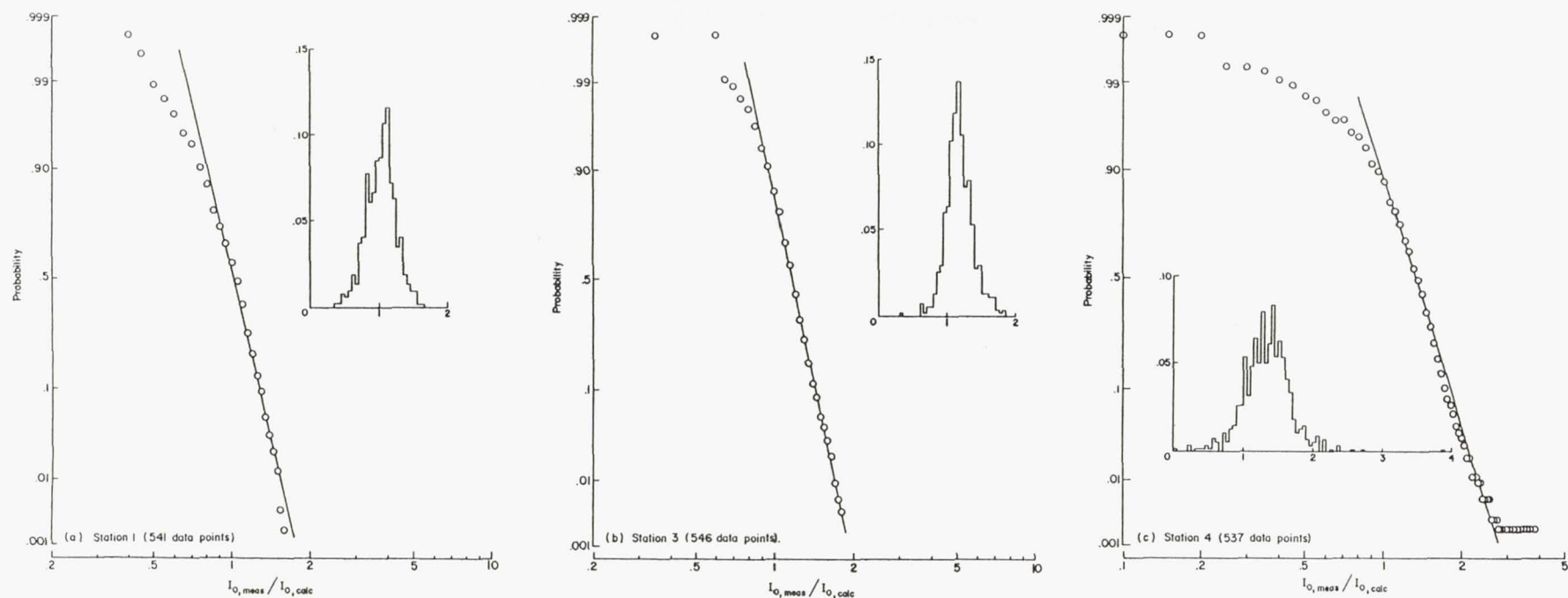


Figure 9.- Probability of equaling or exceeding a given value of the ratio of measured to calculated positive impulse for Airplane B.

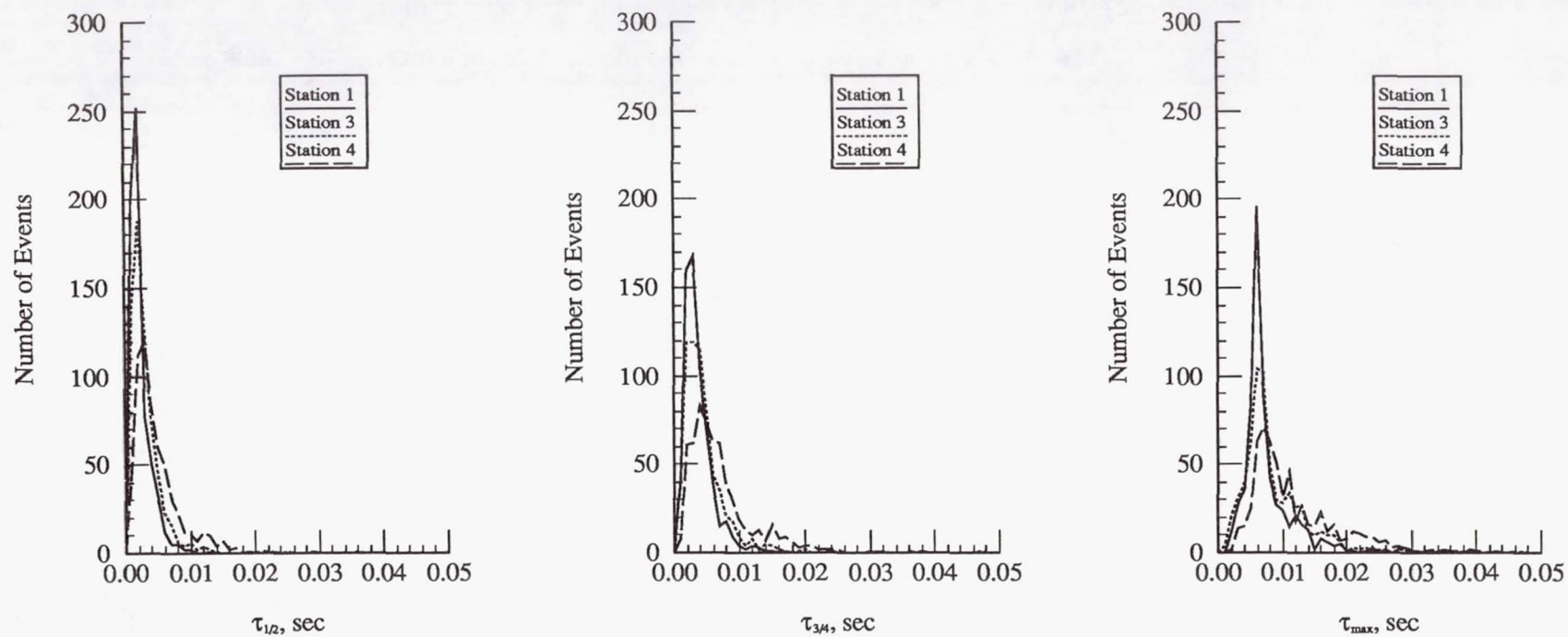


Figure 10.- Relative probabilities of obtaining a given value of half rise time $\tau_{1/2}$, three-fourths time $\tau_{3/4}$, or max time τ_{max} , for various distances from the ground track for Airplane A.

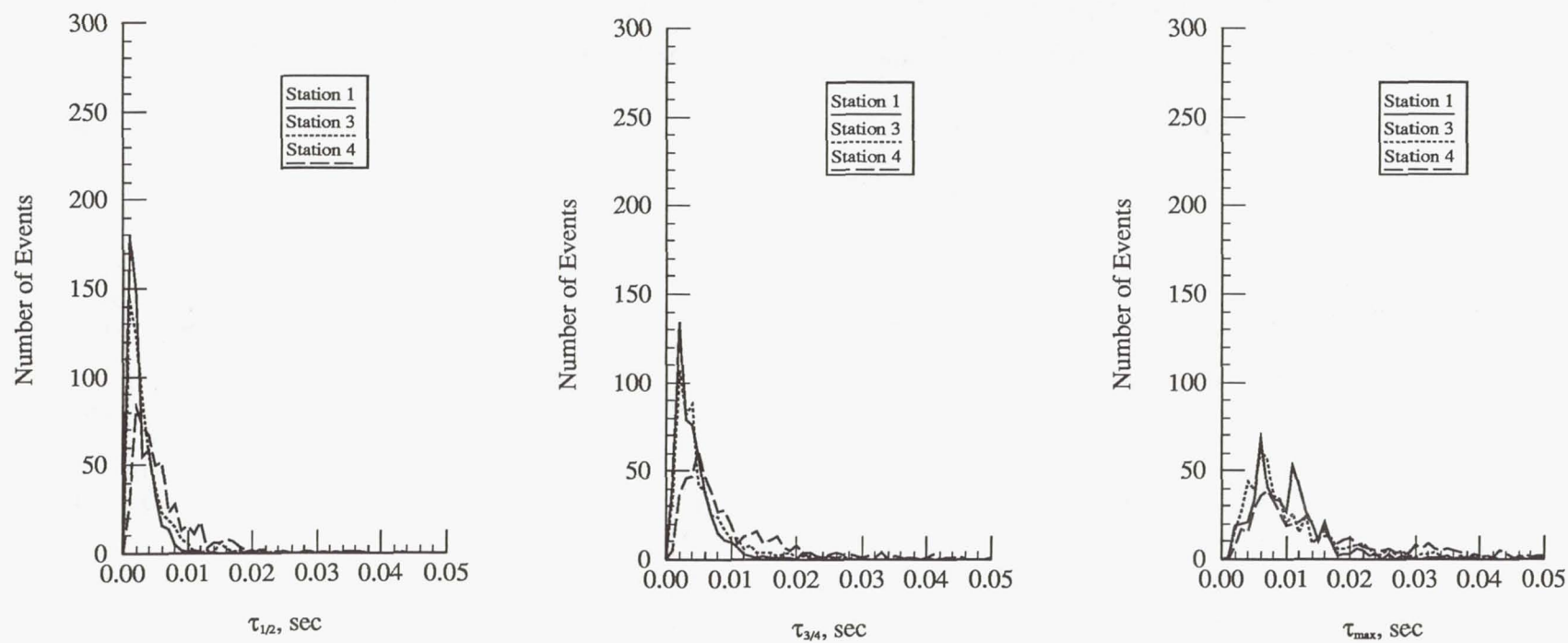


Figure 11.- Relative probabilities of obtaining a given value of half rise time $\tau_{1/2}$, three-fourths time $\tau_{3/4}$, or max time τ_{max} , for various distances from the ground track for Airplane B.

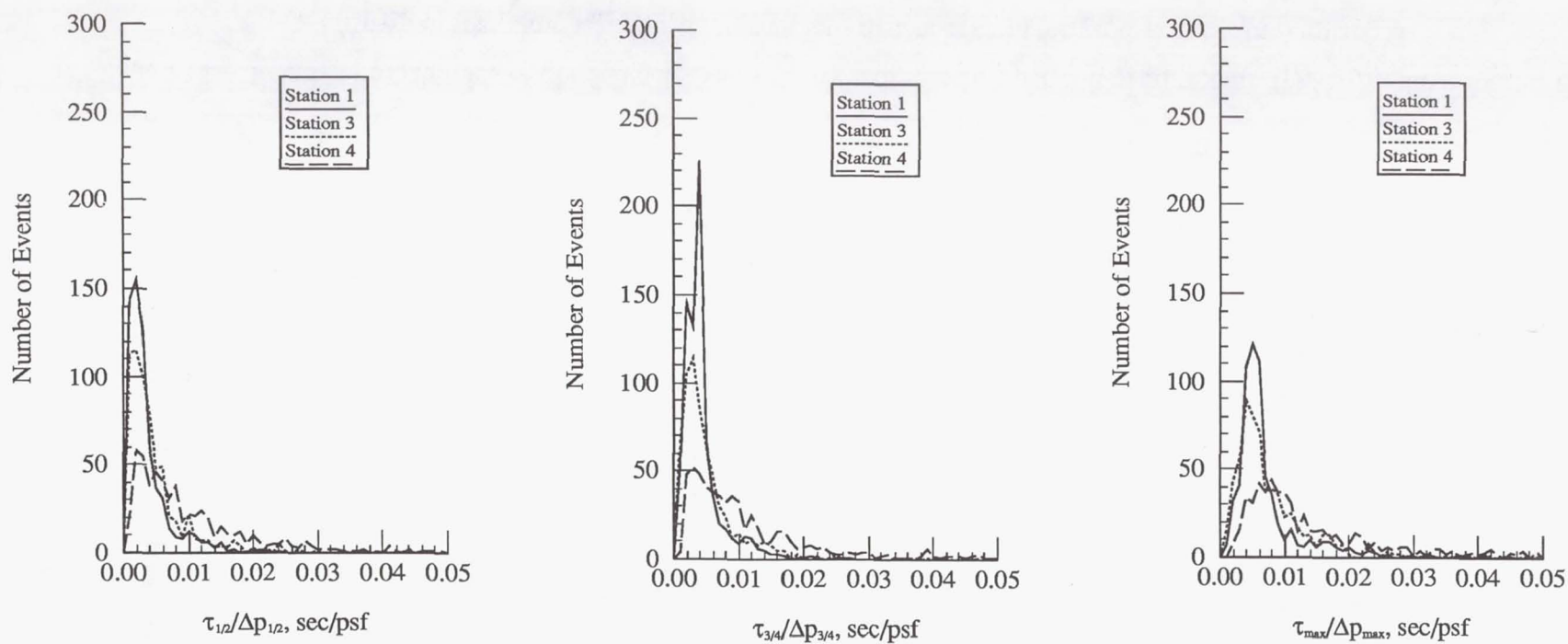


Figure 12.- Relative probabilities of obtaining a given value of half rise time per unit overpressure $\tau_{1/2}/\Delta p_{1/2}$, three-fourths time $\tau_{3/4}/\Delta p_{3/4}$, or max time $\tau_{\max}/\Delta p_{\max}$, for various distances from the ground track for Airplane A.

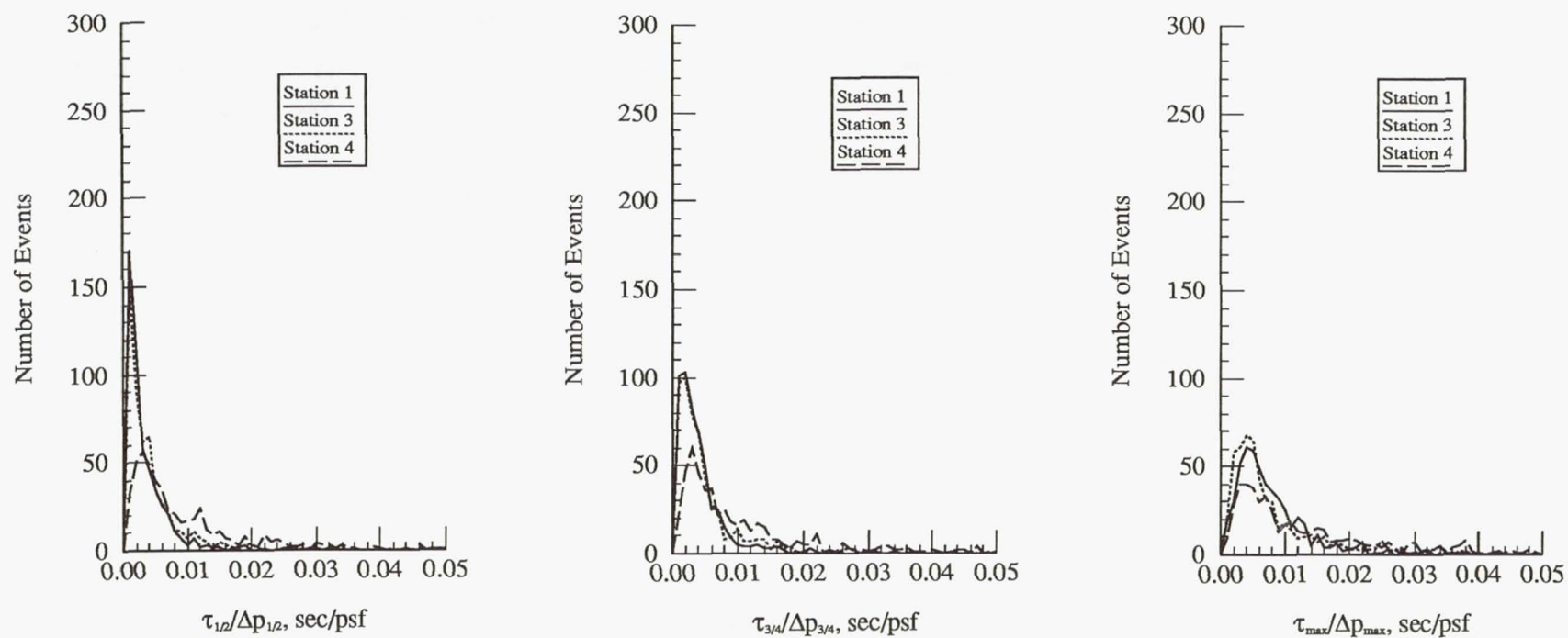


Figure 13.- Relative probabilities of obtaining a given value of half rise time per unit overpressure $\tau_{1/2}/\Delta p_{1/2}$, three-fourths time $\tau_{3/4}/\Delta p_{3/4}$, or max time $\tau_{max}/\Delta p_{max}$, for various distances from the ground track for Airplane B.

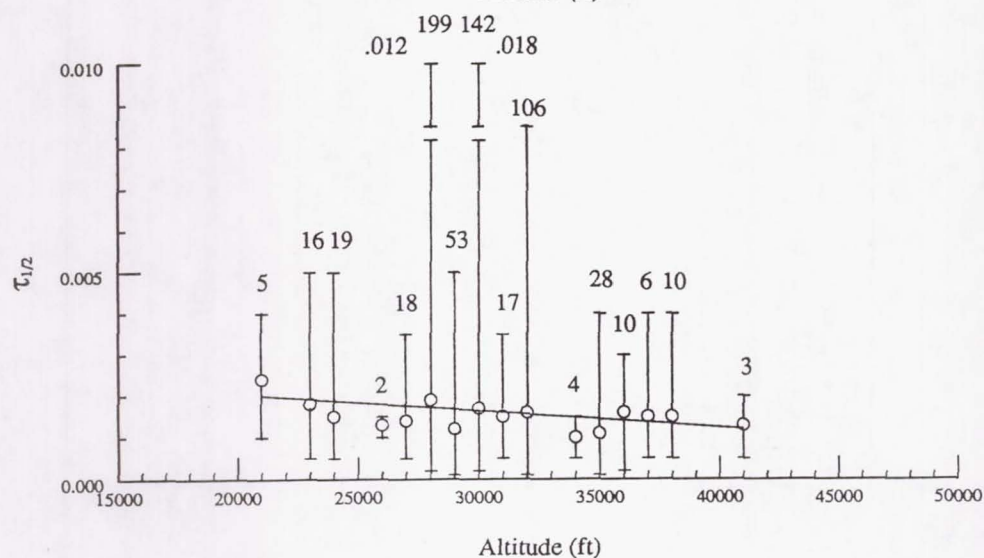
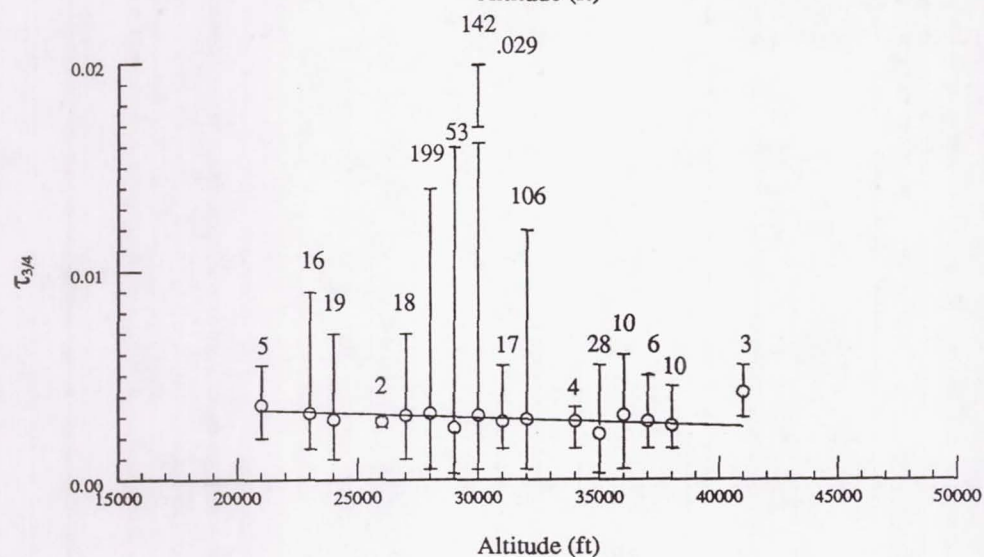
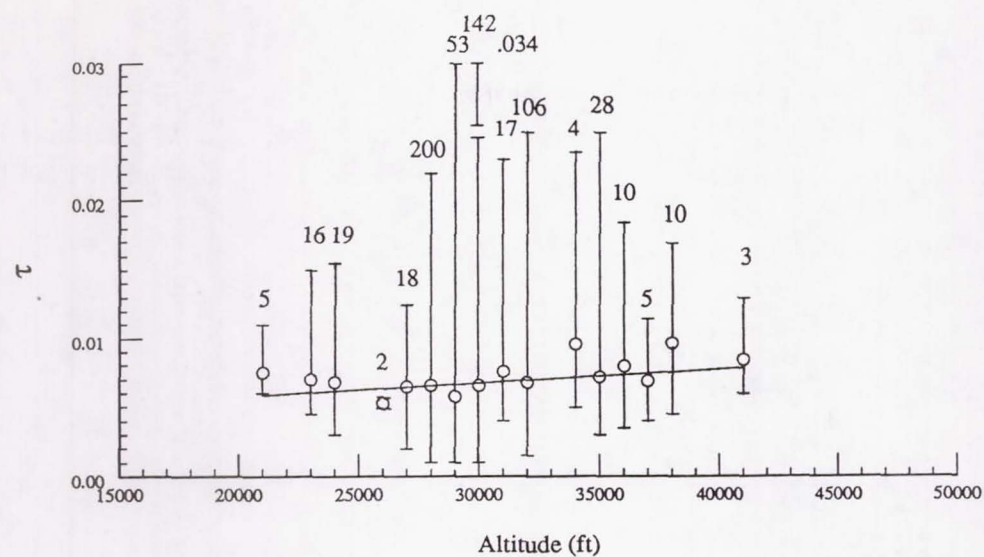


Figure 14.- Variations of half rise time $\tau_{1/2}$, three-fourths $\tau_{3/4}$, and total rise time τ with altitude for Airplane A.

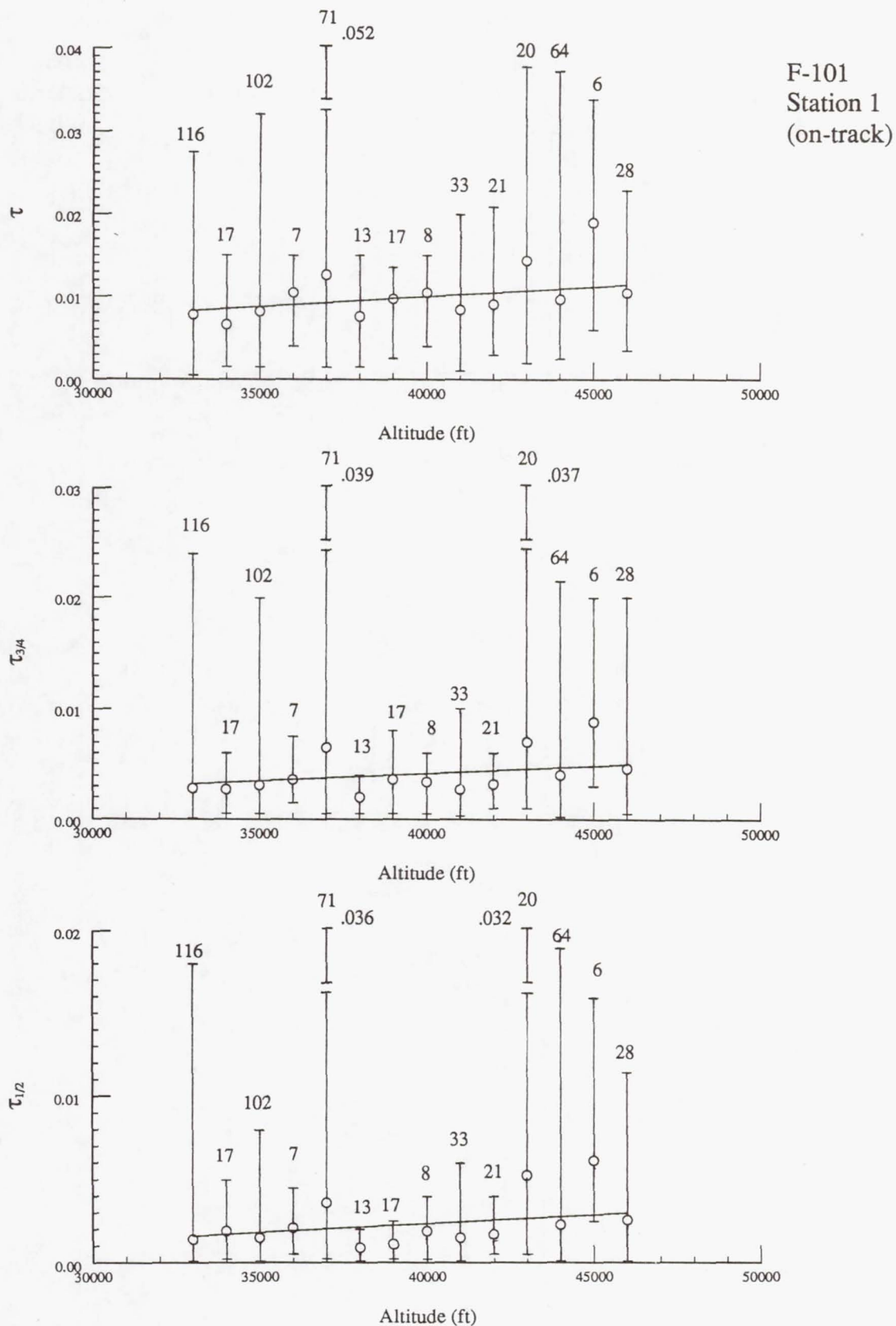


Figure 15.- Variations of half rise time $\tau_{1/2}$, three-fourths $\tau_{3/4}$, and total rise time τ with altitude for Airplane B.

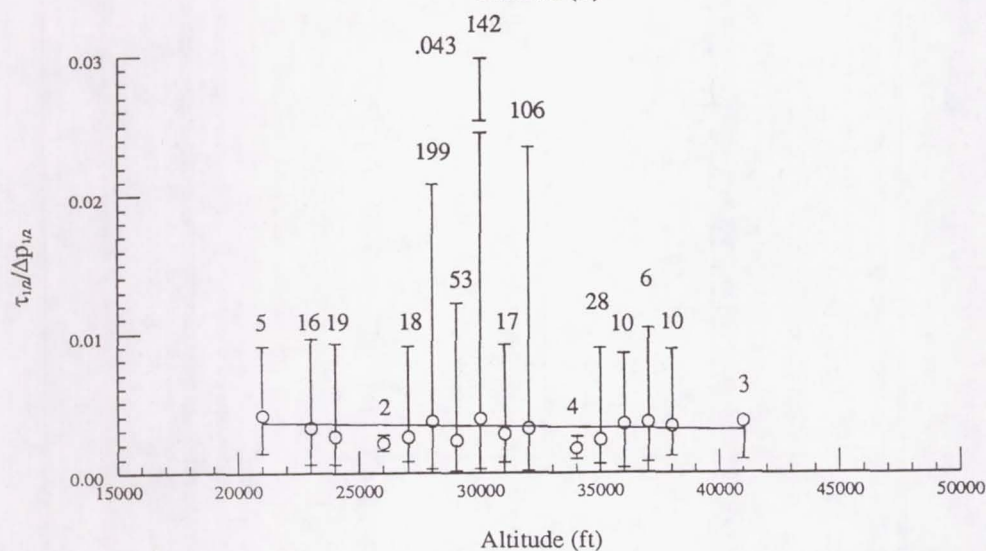
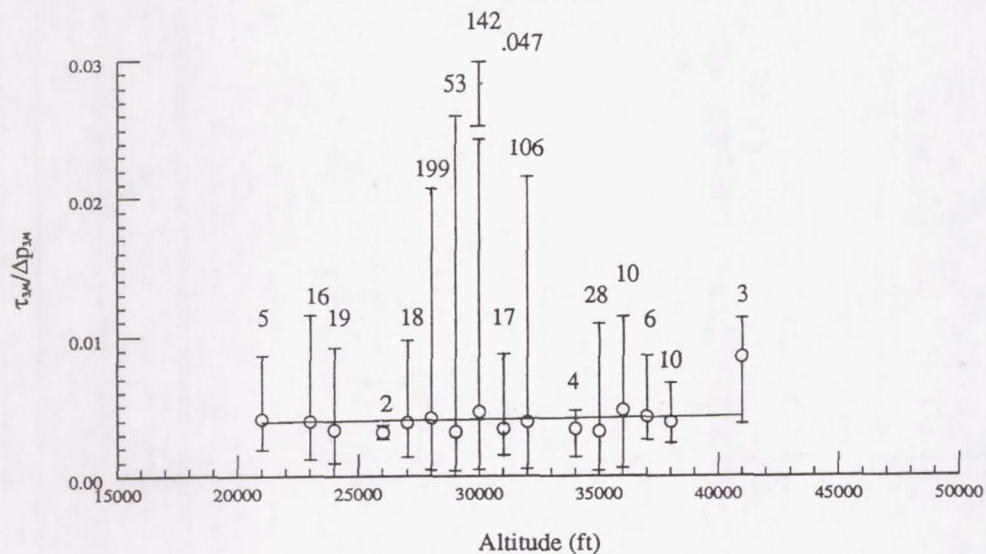
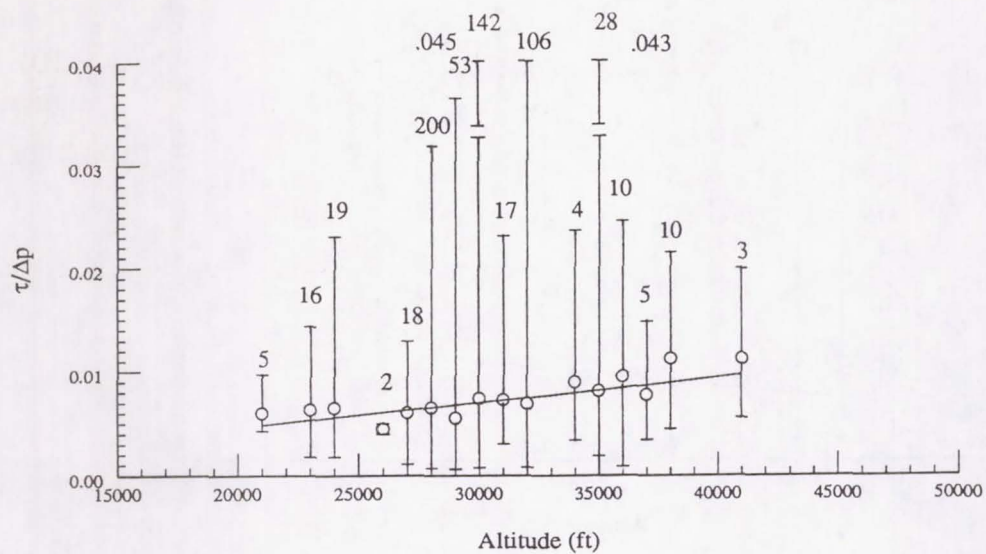


Figure 16.- Variations of half rise time per unit overpressure $\tau_{1/2}/\Delta p_{1/2}$, three-fourths $\tau_{3/4}/\Delta p_{3/4}$, and total rise time $\tau/\Delta p_0$ with altitude for Airplane A.

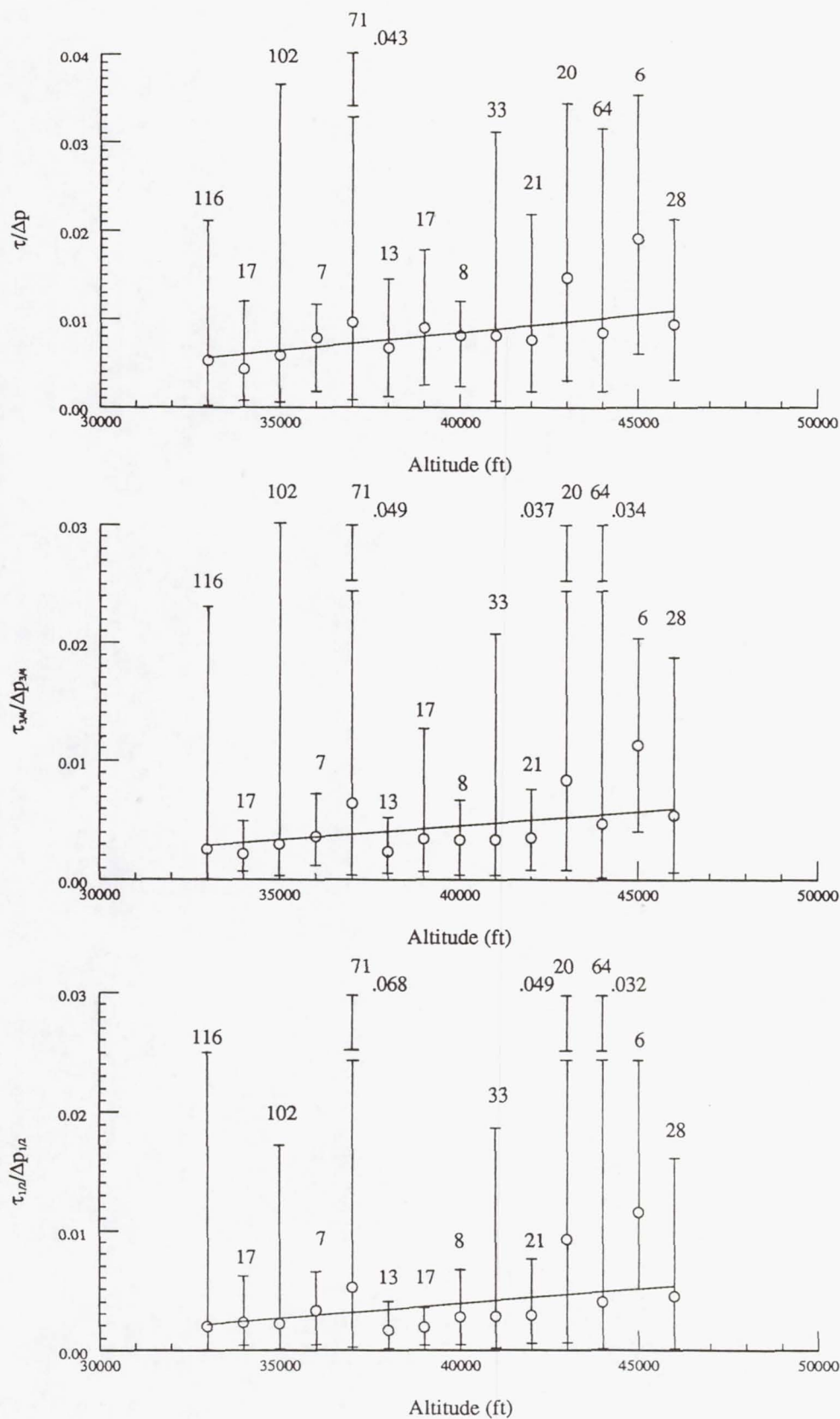


Figure 17.- Variations of half rise time per unit overpressure $\tau_{1/2}/\Delta p_{1/2}$, three-fourths $\tau_{3/4}/\Delta p_{3/4}$, and total rise time $\tau/\Delta p_0$ with altitude for Airplane B.

Report Documentation Page

1. Report No. NASA CR-4277		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Summary of Sonic Boom Rise Times Observed During FAA Community Response Studies Over a 6-Month Period in the Oklahoma City Area				5. Report Date April 1990	
				6. Performing Organization Code	
7. Author(s) Domenic J. Maglieri and Victor E. Sothcott				8. Performing Organization Report No.	
				10. Work Unit No. 537-03-21-03	
9. Performing Organization Name and Address Eagle Engineering, Inc. 2101 Executive Drive Hampton, Va 23666				11. Contract or Grant No. NAS9-17900	
				13. Type of Report and Period Covered Contractor Report	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Langley Research Center Hampton, VA 23665-5225				14. Sponsoring Agency Code	
15. Supplementary Notes Langley Technical Monitor: Kevin P. Shepherd					
16. Abstract The sonic boom signature data acquired from about 1225 supersonic flights, over a 6-month period in 1964 in the Oklahoma City area, has been enhanced with the addition of data relating to rise times and total signature duration. These later parameters, not available at the time of publication of the original report on the Oklahoma City sonic boom exposures, are listed in tabular form along with overpressure, positive impulse, positive duration, and waveform category. Airplane operating information along with the surface weather observations are also included. Sonic boom rise times include readings to the 1/2, 3/4, and maximum overpressure values. Rise time relative probabilities for various lateral locations from the ground track of 0, 5, and 10 miles are presented along with the variation of rise times with flight altitude. The tabulated signature data, along with corresponding airplane operating conditions and surface and upper level atmospheric information, are also available on electronic files to provide it in the format for more efficient and effective utilization.					
17. Key Words (Suggested by Author(s)) Sonic boom, rise times, supersonic flights, overpressure values, sonic boom signatures			18. Distribution Statement Unclassified - Unlimited Subject Category - 71		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of pages 124	
				22. Price A06	